



01 Jan 1997

Faculty Senate Minutes 1996 - 1997

Missouri University of Science and Technology Faculty Senate

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1996-97 Meeting Dates

General Faculty

September 3, 1996
December 10, 1996
April 29, 1997

RP & A

August 27, 1996
October 3, 1996
November 7, 1996
January 7, 1997
February 6, 1997
April 10, 1997
June 5, 1997

Academic Council

September 19, 1996
October 17, 1996
November 21, 1996
January 16, 1997
February 20, 1997
April 24, 1997
June 19, 1997

MOTION FOR SELECTION OF IFC REPRESENTATIVES

In order to bring UMR procedures into compliance with the Collected Rules and Regulations of the University of Missouri System, to ensure that the UMR representation on the IFC reflects positions of the governing body of the UMR faculty, and to guarantee that UMR has independent and timely input on matters that should be primarily campus-oriented, the following motion is offered with respect to election of UMR representatives on the IFC:

It is moved that:

The immediate past President, President, and President-Elect of the UMR Academic Council serve as UMR representatives to the University of Missouri Interfaculty Council(IFC). In the event that two of these persons are from the same school/college, then the descending order of precedence for seating on the IFC shall be immediate past President, President, and President-Elect, and, only the highest ranking of the persons from the same school/college will be an IFC representative. To fill a vacant IFC position, the Academic Council will elect a member from among Academic Council representatives from the school/college that would not otherwise be represented on the IFC.

MEMORANDUM TO: UMR Faculty Members

FROM: Myron Parry, Secretary, General Faculty

DATE: August 27, 1996

SUBJECT: Agenda for the General Faculty Meeting
Tuesday, September 3, 1996; 4:00 P.M.
Humanities/Social Science-G-5

- I. Call-to-Order: 4:00 P.M. John T. Park
- II. Approval of Minutes of the May, 1996 General Faculty Meeting
- III. Unfinished Business
- IV. Introduction of Officers of the General Faculty John T. Park
- V. Report of RP&A Committee Jerry Westphal
 - 1. Election to Standing Committees
- VI. Introduction of New Faculty and Announcement of Faculty Awards John T. Park
- VII. New Business
- VIII. Chancellor's Report John T. Park
- IX. Announcements



UNIVERSITY OF MISSOURI-ROLLA
Missouri's Technological University

Registrar's Office
103 Parker Hall
1870 Miner Circle
Rolla, Mo 65409-0930
(573) 341-4181

MEMORANDUM TO: UMR Faculty Members

FROM: Myron Parry, Secretary, General Faculty

DATE: August 27, 1996

SUBJECT: Agenda for the General Faculty Meeting
Tuesday, September 3, 1996; 4:00 P.M.
G-5 Humanities/Social Science Bldg

- I. Call-to-Order: 4:00 P.M. John T. Park
- II. Memorial Resolutions for Curt Adams, Jack Emanuel, Dudley Thompson, Glendon 'Jake' Stevens and Clyde Wade.
- III. Approval of Minutes of the May 7, 1996 General Faculty Meeting
- IV. Unfinished Business - None
- V. Introduction of the Officers of the General Faculty John T. Park
- VI. Report of RP&A Committee Jerry Westphal
 1. Election to Standing Committees
- VII. Introduction of New Faculty and Announcement of Faculty Awards John T. Park
- VIII. New Business-None
- IX. Chancellor's Report John T. Park
- X. Announcements



University of Missouri-Rolla
School of Mines and Metallurgy
Office of the Dean

28 August 1996

Memo to: Jeff Cawlfeld, 96-97 President Academic Council

From : Nick Tsoulfanidis, Assistant Dean

A handwritten signature in black ink, appearing to read "Nick", is written over the name "Nick Tsoulfanidis".

RE : Nominations and election to AC committees

Jeff, next year please consider requesting nominations and/or elections for Academic Council committees in late April instead of early August when most of the faculty is still off campus.

Elections by the school faculty can be completed in May. Nominees for campus-wide committees can be chosen in May and be voted by the general faculty in the first Fall meeting of the UMR faculty.

Dean L. W. Saperstein

GF Trial
Jelly

September 3, 1996

Committee Ballot

Public Occasions (Vote for three)

✓ <u>38</u> David Oglesby	<u>27</u> Jim Highfill
<u>31</u> Joel Kramme	✓ <u>38</u> Jim Wise
✓ <u>36</u> David Barr	<u>19</u> Jerry Tien

Publications (Vote for three)

<u>23</u> Ta-Shen Chen	<u>32</u> James Johnson
✓ <u>33</u> Anne Bratach	<u>22</u> Walt Johnson
✓ <u>35</u> Wayne Huebner	✓ <u>42</u> N. Tsoulfanidis

Rules, Procedures, and Agenda (Vote for two)

<u>24</u> Donald Cronin	<u>12</u> Athanasios Liapis
✓ <u>46</u> Greg Gelles	✓ <u>29</u> Gary Bertrand
<u>16</u> Chris Ramsay	<u>8</u> Jerry Tien

Student Awards (Vote for two)

<u>25</u> Charles Dare	<u>12</u> David Manley
✓ <u>42</u> Paula Lutz	✓ <u>31</u> Linda Manning
<u>6</u> Chris Ramsay	<u>11</u> John Wilson

Student Scholastic Appeals (Vote for two)

<u>12</u> Nicholas Morosoff	<u>22</u> J. Keith Nisbett
✓ <u>28</u> Linda Manning	<u>28</u> Donald Oster
✓ <u>30</u> Merrill Stevens	<u>21</u> Francisca Oboh-Ikuenobe

September 3, 1996

Committee Ballot

Public Occasions (Vote for three)

~~1111~~ ~~111~~ David Oglesby²⁰ ~~1~~ ~~111~~ ~~111~~ ~~111~~ Jim Highfill 17
~~111~~ ~~111~~ Joel Kramme²⁰ ~~111~~ ~~111~~ ~~111~~ ~~111~~ ~~111~~ Jim Wise 25
~~111~~ ~~111~~ David Barr 25 ~~111~~ ~~111~~ ~~111~~ Jerry Tien 14

Publications (Vote for three)

~~111~~ ~~111~~ Ta-Shen Chen 17 ~~111~~ ~~111~~ ~~111~~ ~~111~~ James Johnson 20
~~111~~ ~~111~~ Anne Bratach²⁰ ~~111~~ ~~111~~ ~~111~~ ~~111~~ Walt Johnson 14
~~111~~ ~~111~~ Wayne Huebner²⁰ ~~111~~ ~~111~~ ~~111~~ ~~111~~ N. Tsoulfanidis 25

Rules, Procedures, and Agenda (Vote for two)

~~111~~ ~~111~~ Donald Cronin 8 ~~111~~ ~~111~~ Athanasios Liapis 8
~~111~~ ~~111~~ Greg Gelles²⁵ ~~111~~ ~~111~~ ~~111~~ ~~111~~ Gary Bertrand 20
~~111~~ ~~111~~ Chris Ramsay 11 ~~111~~ ~~111~~ Jerry Tien 5

Student Awards (Vote for two)

~~111~~ ~~111~~ Charles Dare 18 ~~111~~ ~~111~~ David Manley 9
~~111~~ ~~111~~ Paula Lutz²⁵ ~~111~~ ~~111~~ ~~111~~ ~~111~~ Linda Manning 22
~~111~~ ~~111~~ Chris Ramsay 11 ~~111~~ ~~111~~ John Wilson 5

Student Scholastic Appeals (Vote for two)

~~111~~ ~~111~~ Nicholas Morosoff¹⁰ ~~111~~ ~~111~~ ~~111~~ J. Keith Nisbett 13
~~111~~ ~~111~~ Linda Manning²⁰ ~~111~~ ~~111~~ ~~111~~ ~~111~~ Donald Oster 25
~~111~~ ~~111~~ Merrill Stevens²⁰ ~~111~~ ~~111~~ ~~111~~ Francisca Oboh-Ikuenobe 15

September 3, 1996

Committee Ballot

Public Occasions (Vote for three)

1111 David Oglesby 18	1111 Jim Highfill 10
1111 Joel Kramme 11	1111 Jim Wise 13
1111 David Barr 11	1111 Jerry Tien 5

Publications (Vote for three)

1111 Ta-Shen Chen 6	1111 James Johnson 12
1111 Anne Bratach 13	1111 Walt Johnson 8
1111 Wayne Huebner 15	1111 N. Tsoulfanidis 17

Rules, Procedures, and Agenda (Vote for two)

1111 Donald Cronin 6	1111 Athanasios Liapis 4
1111 Greg Gelles 21	1111 Gary Bertrand 9
1111 Chris Ramsay 5	1111 Jerry Tien 3

Student Awards (Vote for two)

1111 Charles Dare 7	1111 David Manley 3
1111 Paula Lutz 17	1111 Linda Manning 9
1111 Chris Ramsay 5	1111 John Wilson 6

Student Scholastic Appeals (Vote for two)

1111 Nicholas Morosoff 2	1111 J. Keith Nisbett 9
1111 Linda Manning 8	1111 Donald Oster 3
1111 Merrill Stevens 10	1111 Francisca Oboh-Ikuenobe 6

MEMO TO: Academic Council
FROM: Curricula Committee
SUBJECT: September 5, 1996, Meeting

For the information of the Academic Council, the following EC1's have been submitted by the University department for an experimental course that will be offered in the near future.

EC1's reviewed:

EC1 706, Mt Eng 301, **Metals Recycling**. Approved for WS97. Variable credit hours of 2 or 3. Prerequisites: Mt Eng 125 or equivalent; Mt Eng 203 and Mt Eng 241 recommended.

EC1 707, Mt Eng 401, **Environmental Aspects of Metals Manufacturing**. Approved for WS97. 3 hours credit. No prerequisites.

EC1 708, Mt Eng 301, **Environmental Aspects of Metals Manufacturing**. Approved for WS97. 3 hours credit. Prerequisites: Senior standing.

EC1 709, Chem 401, **Free Radicals in Biochemistry**. Approved for WS97. 2 hours credit. No prerequisites.

EC1 710, English 201, **Introduction to Journalism**. Approved for WS97. 3 hours credit. Prerequisites: English 20.

EC1 711, History 301, **Consequences of the Industrial Revolution in Britain**. Approved for WS97. 3 hours credit. Prerequisites: History 112.

EC1 712, History 301, **Renaissance and Reformation**. Approved for WS97. 3 hours credit. Prerequisites: History 111.

EC1 713, Phil&LA, Educ 301, **Integrating Technology in Education II**. Approved for 3 hours credit. Prerequisites: Graduate standing.

EC1 714, Pe Eng 301, **Artificial Lift**. Approved for WS97. 3 hours credit. Prerequisites: Pe Eng 241, co-requisite Pe Eng 316.

EC1 715, Math 401, **Finite Fields and Applications**. Approved for WS97. 3 hours credit. Prerequisite: Math 305.

EC1 716, Cmp Sc 301, **Distributed Operating Systems**. Approved for WS97. 3 hours credit. Prerequisites: Cmp Sc 284 and Cmp Sc 253.

EC1 717, Cmp Sc 301, **Software Quality Assurance and Testing**. Approved for WS97. 3 hours credit. Prerequisites: Cmp Sc 306.

EC1 718, Phil 101ML, **Introduction to the Theory of Art: Aesthetics-Missouri London**. Approved for SS97. 3 hours credit. No prerequisites.

EC1 719, Cmp Sc 301, **Java and Distributed Applications**. Approved for WS97. 3 hours credit. Prerequisites: Programming in C or C++.

The Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1's be approved.

CC1's reviewed:

CC1 4208, Chem/Polymer and Coatings and Science Emphasis Area. Curriculum change approved for FS97. Addition of footnote number (7) reads: (7.) A minimum grade of "C" is required for each chemistry course that fulfills this requirement for the B.S. in Chemistry.

CC1 4209, Chem/Premedicine Emphasis Area. Curriculum change approved for FS97. Addition of footnote number (6) reads: (6.) A minimum grade of "C" is required for each chemistry course that fulfills this requirement for the B.S. in Chemistry.

CC1 4210, Chem/Biochemistry Emphasis Area. Curriculum change approved for FS97. Addition of footnote number (7) reads: (7.) A minimum grade of "C" is required for each chemistry course that fulfills this requirement for the B.S. in Chemistry.

CC1 4211, Chem/Bachelor of Science. Curriculum change approved for FS97. Addition of footnote number (9) reads: (9.) A minimum grade of "C" is required for each chemistry course that fulfills this requirement for the B.S. in Chemistry.

CC1 4212, History 354, **History of the Modern South**. Approved for WS97. Change in course number from 255 "TO" 354. Justification reads: Number change needed to conform with other UM campuses. Also, to better reflect the contents of the course.

CC1 4213, History 353, **History of the Old South**. Approved for WS97. Change in course number from "TO" 254 to 353. Justification reads: Number change needed to conform with other UM campuses. Also, to better reflect the contents of the course.

CC1 4214, Nu Eng 425, **Plasma Physics**. Approved for FS96. Change in catalog description: Co-listed with Physics 425 was taken off of the description. Physics 425 is a deleted course.

CC1 4215, Cr Eng 259, **Ceramic Thermodynamics**. Approved for FS96. Change in description which reads: Basic thermodynamic concepts are applied to the solid state. Calculations and estimations of thermodynamic variables and the relations to the physical properties, crystal structure and phase equilibria diagrams are studied. Solid solution and partial molal quantity concepts are presented and modeled.

CC1 4216, Cmp Sc 364, **Problems in Operations Research Survey**. Approved deletion for FS96.

CC1 4217, Chem\Premedicine Emphasis Area. Curriculum change approved for WS97. Change credit hours for Life Sc 241 (first semester junior year) from 3 hours to 5 hours and Life Sc 242 (second semester junior year) from 4 hours to 5 hours.

CC1 4218, Pe Eng 303, **Environmental Petroleum Applications**. Approved new course for WS97. 3 hours credit. No prerequisites. Description reads: This course is a study of environmental protection and regulatory compliance in the oil and gas industry. The impact of various environmental laws on drilling and production operations will be covered. Oilfield and related wastes and their handling are described. Federal, state and local regulatory agencies are introduced, and their role in permitting and compliance monitoring is presented. Legal and ethical responsibilities are discussed.

CC1 4219, Phil&LA, Art 245, **Thomas Hart Benton and the Tradition of American Art**. Approved for WS97. 3 hours credit. Prerequisites: Art 85 or Art 80. Description reads: Missouri artist Tom Benton lived amidst controversy and acclaim from the 1920's to the 1970's. The American tradition from which Benton grew will be studied, then his own work and his subsequent influence.

CC1 4220, Phil&LA, Educ 301, **Special Topics**. Approved new course for FS96. This course was approved 7-12-96 per Howard Pyron, Chair UMR Curricula Committee and Greg Gelles, Academic Council Chair. This CC1 needed approval to make the catalog deadline.

CC1 4221, Econ, **Accounting and Finance Minor Program**. Approved Minor Program for FS96.

CC1 4222, Phil&LA, Theater 300, **Special Problems**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4223, Phil&LA, Spanish 200, **Special Problems**. Approved for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4224, Phil&LA, Spanish 100, **Special Problems**. Approved for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4225, Phil&LA, Russian 100, **Special Problems**. Approved for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4226, Phil&LA, Phil 301, **Special Topics**. Approved new course for FS96. 0-6 hours variable credit. No prerequisites. Description reads: This course is designed to give the department an opportunity to test a new course. Variable title.

CC1 4227, Phil&LA, Phil 200, **Special Problems**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4228, Phil&LA, Phil 100, **Special Problems**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4229, Phil&LA, Music 301, **Special Topics**. Approved new course for FS96. 0-6 hours variable credit. Description reads: This course is designed to give the department an opportunity to test a new course. Variable title. No prerequisites.

CC1 4230, Phil&LA, Music 300, **Special Problems**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4231, Phil&LA, German 100, **Special Problems**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4232, Phil&LA, French 301, **Special Topics**. Approved new course for FS96. 0-6 hours variable credit. Description reads: This course is designed to give the department an opportunity to test a new course. Variable title. No prerequisites.

CC1 4233, Phil&LA, French 200, **Special Problems**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4234, Phil&LA, French 100, **Special Problems**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4235, Phil&LA, Educ 300, **Special Problems**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4236, Phil&LA, Educ 200, **Special Problems**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. No prerequisites.

CC1 4237, Phil&LA, Educ 100, **Special Problems**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4238, Phil&LA, Theater 301, **Special Topics**. Approved new course for FS96. 0-6 hours variable credit. Description reads: Problems or readings on specific subjects or projects in the department. Consent of instructor required. No prerequisites.

CC1 4239, Geol 305, **Hydrogeology**. Approved new course for WS97. 3 hours credit. Description reads: This course discusses geologic aspects of major surface and subsurface hydrologic systems of North America. Chemical and physical relationships between groundwater and fractures, faults, karst, subsurface pressures, mineral deposits plus both contaminant and hydrocarbon migration are discussed. Prerequisites: Ge Eng 50 or Geol 51, Geol 223 recommended.

CC1 4240, Geol 431, **Clastic Sedimentary Petrology**. Approved for FS96. Change in credit hours from 1 hour lecture and 2 hours lab "TO" 2 hours lecture and 1 hour lab.

CC1 4241, Geol 329, **Micropaleontology**. Approved for FS96. Change in credit hours from 1 hour lecture and 2 hours lab "TO" 2 hours lecture and 1 hour lab.

CC1 4242, Geop 336, **Geophysical Field Methods**. Approved new course for WS97. 2 hours lecture and 1 hour lab. Description reads: Imaging of selected subsurface and engineering features by various geophysical methods. Special emphasis on ground penetrating radar and magnetic methods; and the acquisition and reduction of associated data. One field trip at student expense required. Prerequisites: Geop 384.

CC1 4243, Phil&LA, Speech & Media Studies 283, **Business and Professional Communication**. Approved for WS97. Change in course title from **Business and Professional Speaking**. Change in prerequisites from Speech 85 or English 60 "TO" Speech 150, 181 or permission of instructor. Change in description to: Examines culture and communication in the workplace from theoretical and practical perspectives. Topics include: group communication, interviewing, networking, planing and presenting material to technical and general audiences interpersonal communication and leadership in the workplace context.

CC1 4244, Life Sc 215, **Zoology**. Approved for FS97. Change in course number from 115. Justification reads: To reflect the fact that this is a sophomore or more advanced level course.

CC1 4245, Life Sc 218, **Plant Biology**. Approved for WS97. Change in course number from 118. Justification reads: To reflect the fact that this is a sophomore or more advanced level course.



University of Missouri-Rolla
Academic Council

To: UMR FACULTY

Thursday, September 19, 1996; 1:30 P.M.; G-5 H/SS

- I. Approval of minutes of the June 20, 1996 meeting
- II. Reports and Responses
 - A. President's Report (To include IFC) (15 min.) Greg Gelles
 - B. Chancellor's Report (10 min.) John Park
(10 minutes for Questions and Answers)
- III. Reports of Standing and Special Committees
 - A. Curricula (5 min.) Howard Pyron
 - 1. *Report No. 1
 - B. Personnel (no report) Lance Haynes
 - 1. Tenure and Promotion Procedures
 - 2. Faculty Awards (11-30-95)
 - 3. Faculty Compensation for Video Instruction (12-18-95)
 - C. RP & A (10 min.) Jerry Westphal
 - 1. Election of Academic Council Officers
 - 2. *IFC Representatives
 - 3. Committee Elections
- IV. Old Business
- V. New Business and Announcements
 - 1. Assistant to UM President for State Governmental Relations Jim Snider
 - 2. Staff Council
 - 3. Student Council
 - 4. Referral on Parking Permit Procedure to PS & T

*Information distributed with agenda to Academic Council members and department chairs.



University of Missouri-Rolla

~~VOL. XXVI, No. 1~~
Academic Council 1

Minutes of the Academic Council Meeting September 19, 1996

XXVI,1. The meeting was called to order at 1:30 P.M. by President Gelles. No substitutions were noted.

.1 It was moved and seconded to approve the minutes of the June 20 meeting as distributed. Motion carried.

.2 Professor Jerry Westphal moved to change the order of the agenda by moving the election of Academic Council officers to the next order of business. There was a second and motion carried.

A. Professor Westphal presented the proposed slate of officers: President-Jeff Cawlfeld; President-Elect-Bruce Selberg; Secretary-Dennis Perry; and Parliamentarian-Jerry Tien. He then moved to elect the slate by acclamation. There was a second and motion carried.

.3 REPORTS AND RESPONSES

A. PRESIDENT'S REPORT

1. Newly elected President, Jeff Cawlfeld, asked Professor Gelles to present his report. He announced that interim replacement for former President George Russell is Milton George, and interim replacement for former Chancellor of UMC Charles Kiesler is Richard Wallace. He further stated that there is a new Curator, Hugh Stephenson, a retired professor from the UMC medical school.

2. Professor Gelles gave a brief report from IFC, elaborating on two items of discussion, on which the Academic Council members will want to follow the progress: the tenure process and English Language Proficiency by Faculty.

3. Former President Gelles then discussed his past year as president, and elaborated on how much he appreciated and enjoyed the year. He also stated that he was looking forward to a good year for the Council with Professor Cawlfeld as President.

4. President Cawlfeld then thanked the Council for electing him, and invited all members to feel free to approach him on any issue. He asked for the help of Past President Gelles and other members, and stated that he was looking forward to working with Chancellor Park.

B. CHANCELLOR'S REPORT

1. Dr. Park expressed his appreciation of Professor Gelles' work as President of the Council. He said that Dr. Gelles was very loyal to UMR and used excellent judgement when representing the campus. He also said he looked forward to working with Professor Cawlfeld.

2. The Chancellor thanked the Academic Council for looking at the subject of retention more seriously. He said the retention and graduation rates have improved in the last two years.

He briefly elaborated on plans for moving forward, and also stated that UMR's U.S. News and World Report evaluation resulted in a rating improved from 129th to 116th, an unusually high jump.

3. Dr. Park talked about St. Pat's, and how best to refocus the celebration. He said that "Alice" is gone, and that help is needed from the students for new ideas. He added that UMR is one of the last campuses across the country where the University semi-sponsors an event such as St. Pat's. He said the more ideas everyone has, the better chance that St. Pat's will be a lighthearted break that will show the best of the campus, with events that have the impact wanted without excessive liability.

4. Q & A-a. Professor Lance Haynes asked for an explanation of administrative changes U-wide. Dr. Park replied that President George is on vacation, and there has been only one meeting of the Chancellors and the President. He said that President George has a very different management style from that of President Russell.

b. Professor Bruce Selberg asked the Chancellor if he predicts change under a new President. Dr. Park said that during change, there is usually a slowdown; and he expects the 5-year Plan to be delayed a full year. However, added that style differences will become obvious and impact some issues.

.4 REPORTS OF STANDING AND SPECIAL COMMITTEES.

A. CURRICULA-This report was presented by Professor Howard Pyron, who presented the EC1's for information only, and then moved to approve the CC1's as distributed. There was a second, and motion carried.

B. RP & A-Professor Jerry Westphal presented this report.

1. Professor Westphal explained that UMR never had a formal procedure for electing IFC representatives. He read from the Collected Rules and Regulations the purpose, function and membership of IFC. It read that members are selected "in accordance with procedures established by each University." Professor Westphal explained that in the past, each school or college had elected one. He said that the system administration is relying ever more heavily on IFC. He then read the motion previously distributed with the agenda, which moved that IFC representatives should automatically be the Past-President, President, and President-Elect of the Academic Council. Professor Garnett Walters seconded the motion.

a. Professor Westphal commented that UMR has always sought to have representatives from all 3 schools, and that the proposed method of selection process should maintain that and insure that IFC is aware of the issues.

b. Professor Nancy Hubing asked if the previous procedure had been to have the Academic Council President fill in each year for the representative from his school. Professor Westphal answered that this was the case.

c. Professor Cawlfild said that RP & A recognized how this proposal centralized authority, but without such a written procedure, there was no guarantee of the representatives upholding faculty interests.

d. Professor Lance Haynes said he finds the proposal a very creative solution. It would ensure that each school would always be represented, while Academic Council's positions would also be represented.

e. Professor Gelles commented that, increasingly, IFC is going to be used as a basis for implementing decisions and policies. He said that IFC had in the past been a group who talked about the issues, but was becoming more a body with persuasive power.

f. Professor Westphal said that the other campuses had mostly members from their professional schools and their missions are quite different from ours.

g. The motion was then put to a vote and carried.

.5 OLD BUSINESS-No old business was presented.

.6 NEW BUSINESS

A. Professor Gelles announced that Jim Snider was not able to come and speak at this meeting.

1. He then went over some of the issues Mr. Snider had planned on covering. He mentioned a motion that came out of the Educational Sub-Committee of the Legislature last year to insure English Language proficiency in foreign-trained Faculty. Snider feels it would pass unless we come up with pertinent solutions. Snider told Professor Gelles that the individual campuses can deal with it, and he wants to tell the legislature that. He also said the problem really was with another campus, not UMR.

2. Professor Gelles said that there has been a discussion among the Academic Council officers and the Chancellor, along with some other faculty about a possible model on campus for ensuring language proficiency. He elaborated on this, saying that Snider felt that UMR is ahead of others in establishing such a model, and it should go over with the legislature.

3. There was some discussion on this subject, with Dr. Park making several comments and explanations of the ongoing process at UMR.

B. STAFF COUNCIL

1. Jan Buhlinger, Past President of the Staff Council announced that a new Collective Council (officers of Staff Council, Student Council, and Academic Council) has begun to meet and discuss items of common interest.

2. Ms. Buhlinger then introduced the new president, Debbie Hickey, saying that Ms. Hickey had been with UMR ten years. She also said the new president is working on a Psychology degree, has been on the Staff Council one year previous, and has the driving force that the Council needs.

3. President Hickey said the Council is planning a Tailgate Party at the Parents' Day football game, with the proceeds going to Student Council to purchase a laptop computer.

4. Dr. Park commented that the Staff Council is dedicated to bettering the campus, and finds it a pleasure to work with them.

C. STUDENT COUNCIL

1. Rich Lee, Vice President of External Affairs, thanked the Staff Council for the fund raiser that they are planning. He introduced the new student representatives to Academic Council and the new Student Council President, Josh Grove.

2. Mr. Lee then went on to discuss the St. Pat's

issue. He said they had held an Open Forum Tuesday last on the subject, and only 10% of Faculty, Staff, and Administration attended. He said the only way to convince the students that the faculty was not totally negative about St. Pat's was for them to get more directly involved.

3. Professor Cawlfieid stated that, in defense of faculty members, less than 24 hours notice was given of the latest meeting on St. Pat's.

D. President Cawlfieid mentioned the listed referral, and then went on to announced that the October 17 meeting of Academic Council would be at 204 McNutt.

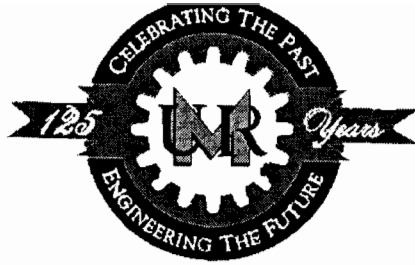
There was a motion and a second to adjourn. Motion carried.

Respectfully submitted,

A handwritten signature in cursive script that reads "Dennis Perry".

Dennis Perry
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.



University of Missouri-Rolla
Office of the Vice Chancellor

September 23, 1996

MEMORANDUM TO: Jeff Cawlfeld

FROM: Walter J. Gajda, Jr. *Walt*
Vice Chancellor for Academic Affairs

SUBJECT: Administrative Review Process

Last year, in response to an action item in the 1995-96 strategic plan, I appointed a committee to evaluate the current review process for university administrators. The committee was chaired by Catherine Riordan and was remarkably efficient and effective. It produced in May of 1996 the final report which accompanies this memorandum.

I have shared the committee's report with the members of the chancellor's staff and the matter was briefly discussed at a staff meeting. The chancellor has expressed interest in the ideas contained within this report and he and I have agreed that the next appropriate step is to refer the matter to the Academic Council for consideration by an appropriate committee (the Personnel Committee?) with the recommendation that the Academic Council consider the suggestions and provide formal recommendations to the chancellor for modification of the existing policy memorandum on administrator review.

If it would be helpful to you, I have an electronic image of the report which I can send to you if you would find it useful in that form.

Thank you for your consideration and referral of this important matter.

WJG/bjc

Date: Thu, 3 Oct 1996 15:57:46 -0500 (CDT)
To: WESTPHAL@novell.civil.umn.edu, Lance Haynes <lance@umn.edu>, gelles@umn.edu, lancewms@umn.edu, bpaul@umn.edu, shobson@umn.edu, dperry@umn.edu, tien@umn.edu
From: jdc@umn.edu (Jeff Cawlfeld)
Subject: FW:

Dear Chancellor Park and RPA members:

Ken Koederitz received this notice about post-tenure review as implemented in Florida. He forwarded the notice to some of us in Mines and Met -- I thought it might be of interest to you all. IFC is currently talking about post-tenure review.

Jeff

Date: Thu, 3 Oct 1996 13:37:33 -0500 (CDT)
From: koe@umn.edu
To: rockaway@umn.edu, davebarr@umn.edu, jdc@umn.edu
From: koe@umn.edu (Leonard F. Koederitz)
Subject: FW:

Return-receipt-to: pesf@coe1.coe.ttu.edu
Date: Thu, 03 Oct 1996 12:22:00 -0700 (PDT)
From: "Frailey, Scott M." <pesf@coe1.coe.ttu.edu>
Subject: FW:
To: "'LAWAL AKANNI S'" <ffasl@aurora.alaska.edu>, "'Leonard Frederic Koederitz'" <KOE@UMRVMB.UMR.EDU>, "'Numbere'" <numbere@umn.edu>
Encoding: 83 TEXT

Thought you might be interested. Scott

From: Day, John J.
Sent: Thursday, October 03, 1996 11:14 AM
To: Malekzadeh, Darren; Winkler, Herald W.; Heinze, Lloyd; Arnold, Marion D.; 'Frailey, Scott M.'
Subject: FW:

Food for thought. John

From: Aunon, Jorge
Sent: Wednesday, October 02, 1996 12:48 AM
To: Marcy, William M.; Kinghorn, Janice H.; Narayan, Raghu; Day, John J.; Borrelli, John; Bredeson, Jon; Gregory, Jim; Pigott, Ron; Smith, James L.; Burton, Tom; Bryan Oldham
Cc: Rivera, John

Florida Regents Approve Policy Calling for Post-Tenure Reviews

>>
>>The Florida Board of Regents decided Friday to require tenured professors
n the State University System to undergo periodic
valuations.

>>
>>The post-tenure reviews would make it easier to fire tenured professors
>>who are "driving through their careers on autopilot," one regent said,
>>but the policy would also reward "outstanding" professors.

>>
>>Steven Uhlfelder, vice-chairman of the board, said the plan requires the
>>system's 10 universities to evaluate each of their 5,800 tenured faculty
>>members at least once every seven years. Under the plan, which goes into
>>effect next fall, professors who receive poor reviews will be subject to
>>disciplinary action, including dismissal. Professors who consistently
>>rank poorly may be evaluated more often.

>>
>>Mr. Uhlfelder began pushing for post-tenure reviews when he was appointed
>>to the board three years ago because he thought the current tenure system
>>was "a vestige of the past." The new plan, he said, was developed over a
>>two-year period with the help of United Faculty of Florida, the union
>>that represents the professors.

>>
>>"We don't want the perception that people are just driving through their
>>careers on autopilot," Mr. Uhlfelder said. "People in academia should
>>realize that they can't be isolated from reality. People off campus who
>>pay the bills in a state-university system have the right to assume that
>>[professors] will operate in the real world."

>>
>>Mr. Uhlfelder said the board still must negotiate some details of the
plan with the union. The evaluations will be conducted at each university
>>by professors' peers and by administrators.

>>
>>The plan, Mr. Uhlfelder said, stresses the importance of good teaching,
>>especially at non-research institutions, and encourages universities to
>>arrange multiyear contracts with professors instead of granting them
>>tenure. In addition, he said, the Professorial Excellence Program,
>>established this year by the Florida State Legislature, will evaluate and
>>give cash awards to superior tenured professors who have reached their
>>salary caps. The program will receive \$2-million for that purpose.

>>
>>Alan Stonecipher, a spokesman for the Board of Regents, said that faculty
>>unions "never believed that this was an assault on academic freedom."


>>
>>But Judy Solano, chairwoman of the state's Advisory Council of Faculty
>>Senates, said the plan could limit academic freedom and "chips away at
>>the notion of tenure."

>>
>>"If this is anything other than just a helpful thing, you're certainly
>>going to have to be careful about what you do and what you say in the
>>classroom," said Dr. Solano, a tenured professor of computer and
>>information sciences at the University of North Florida. "This is a way
>>for them to fire tenured professors, but the union isn't looking at it
>>like that at all."

>>
>>rian Nelson, president of United Faculty of Florida, was unavailable for
>>comment.

>>
>>
>>
>>
>>

>

nn Koederitz
Voice: 573-341-4794
Fax: 573-341-6935
e-mail: koe@umr.edu

Distinguished Teaching Professor
Petroleum Engineering
University of Missouri-Rolla

→



UNIVERSITY OF MISSOURI-ROLLA
Missouri's Technological University

MEMO TO: Academic Council
FROM: Curricula Committee
RE: October 5, 1996, Meeting

For the information of the Academic Council, the following EC1's have been submitted by the University department for an experimental course that will be offered in the near future.

EC1's reviewed:

EC1 630, Metallurgical Engineering 301, **Non-Ferrous Alloys**. 3 hours credit. Prerequisites: Met Eng 217. Approved for WS96.

EC1 631, English 201, **Introduction to Journalism**. 3 hours credit. Prerequisites: English 20. Approved for WS96.

EC1 633, Computer Science 301, **Software Automation Environments**. 3 hours credit. Prerequisites: CSci 253. Approved for WS96.

EC1 635, Civil Engineering 401, **Advanced Topics in the Control of Smart Structures**. 2 hour lecture and 1 hour lab. Prerequisites: Intro. to Smart Structures in EE 301, AE 301, or ME 301. Approved for WS96. (Co-listed with ME, EE and AE)

EC1 636, Electrical Engineering 401, **Advanced Topics in the Control of Smart Structures**. 2 hour lecture and 1 hour lab. Prerequisites: Intro. to Smart Structures in EE 301, AE 301, or ME 301. Approved for WS96. (Co-listed with ME, CE, and AE)

EC1 637, Mechanical Engineering 401, **Advanced Topics in the Control of Smart Structures**. 2 hours lecture and 1 hour lab. Prerequisites: Intro to Smart Structures in EE 301, AE 301, or CE 301. Approved for WS96. (Co-listed with CE, EE and AE)

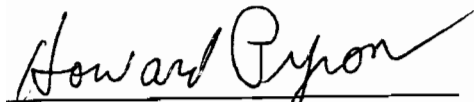
EC1 638, Aerospace Engineering 401, **Advanced Topics in the Control of Smart Structures**. 2 hours lecture and 1 hour lab. Prerequisites: Intro. to Smart Structures in ME 401, EE 401, or CE 401. Approved for WS96. (Co-listed with ME, EE, and CE)

EC1 639, Economics 201, **Law & Economics**. Approved for WS96. 3 hours credit. Prerequisite: Econ 121 or equivalent.

CC1 4037, Chemistry 375, Principles of Environmental Monitoring. Approved new course for WS96. 3 hours credit. Prerequisites: Chem 221 or Physics 025. Description reads: This course provides an overview of environmental monitoring methodologies. Discussion covers thermodynamic and kinetic processes that affect chemical transport and fate in the environment. Federal environmental regulations and remediation technologies are also covered with specific examples.

CC1 4040, Geology/Geophysics 125, Physical Mineralogy and Petrology. Approved new course for FS96. 2 hours lecture and 1 hour lab. Prerequisites: Chem 1 and Chem 2 or Chem 5; GeE 50 or Geology 51. Description reads: An introduction to the study of physical mineralogy and petrology, overviewing systematic determination of minerals and rocks by means of their physical properties. Includes the recognition of crystal forms and field relationships of rocks. Course designed for non-geology majors, credit will not count towards a geology-geophysics degree.

CC1 4041, Geological Engineering 000. Approved for FS96. Changes in curriculum. (The above CC1's are included in this change.)

A handwritten signature in black ink, reading "Howard Pyron", written over a horizontal line.

Howard Pyron, Chair

Office of the Registrar

UNIVERSITY OF MISSOURI-ROLLA
Missouri's Technological University

103 Parker Hall
Rolla, Mo. 65401
Telephone (573) 341-4181

MEMO TO: Academic Council
FROM: Curricula Committee
SUBJECT: October 7, 1996, Meeting

For the information of the Academic Council, the following EC1's have been submitted by the University department for an experimental course that will be offered in the near future.

Review of submitted EC1's:

EC1 720, Statistics 301, **Statistical Computing**. Approved for WS97. 3 hours credit.
Prerequisites; Stat 320 or Stat 346 or Stat 344.

EC1 721, History 301, **Those Eminent Victorians: A Social & Cultural History of 19th Century Britain**. Approved for SS97. 3 hours credit. No prerequisites.

EC1 722, Mining Engineering 301, **Blasting Design and Technology**. Approved for WS97. 2 hours lecture and 1 hour lab. No prerequisites.

EC1 723, Aerospace Engineering 301, **Integrated Product Development**. Approved for WS97. 1 hour lecture and 2 hours lab. Prerequisites: Ae Eng 251. (Co-listed with Me Eng 301 and Eng Mgt 301.)

EC1 724, Mechanical Engineering 301, **Integrated Product Development**. Approved for WS97. 1 hour lecture and 2 hours lab. Prerequisites: Me Eng 208, Me Eng 213, Me Eng 253 or consent of instructor.. (Co-listed with Ae Eng 301 and Eng Mgt 301.)

EC1 725, Electrical Engineering 301, **Digital System Modeling**. Approved for WS97. 3 hours credit. Prerequisites: El Eng 211 or Cmp Sc 253.

EC1 726, Engineering Management 301, **Integrated Product Development**. Approved for WS97. 1 hour lecture and 2 hours lab. Prerequisites: Eng Mg 375 or Eng Mg 385 or Eng Mg 387 or consent of instructor. (Co-listed with Ae Eng 301 and Me Eng 301.)

EC1 727, Computer Science 301, **Distributed Database Systems**. Approved for WS97. 3 hours credit. Prerequisite: Cmp Sc 304.

The Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1's be approved.

Review of submitted CC1's:

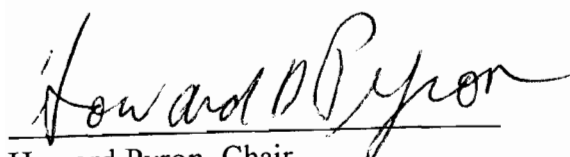
CC1 4249, Metallurgical Engineering 305, **Nondestructive Testing**. Approved for WS97. Change in credit hours from 3 hours credit. **"TO"** 2 hours lecture and 1 hour lab. Change in description to: Principles and application of various means of nondestructive testing of metallic materials. Radiological inspection methods, ultrasonic testing, magnetic methods, electrical and eddy current methods, and others. In addition, laboratory exercises using industrial grade NDT equipment to inspect a variety of parts and materials.

CC1 4250, Computer Science 366, **Regression Analysis**. Approved for WS97. Change in prerequisites from Cmp Sc 228 **"TO"** Stat 215 or 343. Change in description to: Simple linear regression, multiple regression, regression diagnostics, multicollinearity, measures of influence and leverage, model selection techniques, polynomial models, regression with autocorrelated errors, introduction to non-linear regression.

CC1 4252, History 356, **History of the America City**. Approved for FS97. Change in course number from 260. Justification reads: This course is normally offered for graduate credit in other history programs. Changing the course number will help make the UMR offerings uniform with those of other history departments in the UM system. This is a particularly important consideration as UMR is pursuing cooperative MA degrees with two of those programs.

CC1 4254, Engineering Management 356, **Industrial System Simulation**. Approved new course for WS97. 3 hours credit. Prerequisites: Stat 215 or equivalent. Description reads: Simulation modeling of manufacturing and service operations through the use of computer software for operational analysis and decision making.

CC1 4255, Civil Engineering 216, **Construction Materials, Properties and Testing**. Approved for WS97. Change in prerequisites from Bas Eng 110 with grade of "C" or better, Cv Eng 215 **"TO"** Bas Eng 120, Cv Eng 215.


Howard Pyron, Chair

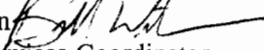


University of Missouri-Rolla
Missouri's Technological University

Office of Student Activities and University Center
Bill Wilson
Student Services Coordinator
218 University Center-West
Rolla, MO 65409-0770
Telephone (573) 341-4220
FAX (573) 341-6026

October 9, 1996

To: UMR Academic Council

From: Bill Wilson 
Student Services Coordinator

Re: **Student Affairs Committee Report For October 17, 1996 Academic Council Meeting**

The Student Affairs Committee met at 10:30 a.m. on Tuesday, October 8, 1996. The resulted in the following actions/recommendations being made

1. Bill Wilson was elected as the 1996-1997) Student Affairs Committee Chair
2. Recommended the acceptance of the Iron & Steel Professional Society Constitution by the Academic Council
3. Recommended the acceptance of the Racquetball Club Constitution by the Academic Council
4. Recommended the acceptance of the Ultimate! Club Constitution by the Academic Council
5. Recommended the acceptance of the Fellowship of Christian Athletes Constitution by the Academic Council
6. It was brought to the attention of the committee that Dr. Linda Manning would not be on campus for the 1997 winter term, and therefor, a replacement Faculty member would have to be appointed to the committee no later than the December Academic Council meeting.

Please call me at 341-4286 (email billw@shuttle.cc.umsr.edu) if you need any more information. Thank you for your help.

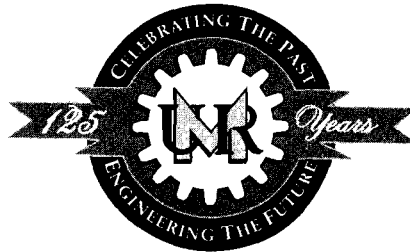
Attachments: Iron & Steel Professional Society Constitution
Racquetball Club Constitution
Ultimate! Club Constitution
Fellowship of Christian Athletes Constitution

UNIVERSITY OF MISSOURI-ROLLA FILE COUNT

October 15, 1996

	Freshmen Fall 1997	Freshmen Fall 1996	Freshmen Fall 1995	Transfer Fall 1997	Transfer Fall 1996	Transfer Fall 1995
*****	*****	*****	*****	*****	*****	*****
Departments						
Aerospace Engineering	16	21	19	0	0	1
Arts & Sciences Undecide	6	11	4	1	0	0
Ceramic Engineering	5	6	8	1	0	0
Chemical Engineering	31	45	48	2	3	1
Chemistry	3	4	13	0	0	0
Civil Engineering	20	25	30	3	1	4
Computer Science	23	32	28	0	0	1
Economics	0	1	0	0	0	0
Electrical Engineering	25	37	35	3	2	4
Engineering Management	1	4	3	0	0	0
Engineering Undecided	58	68	90	2	0	0
English	0	1	0	0	0	0
Geological Engineering	2	4	6	0	0	0
Geology & Geophysics	4	5	4	0	0	0
History	0	2	1	0	0	0
Life Sciences	7	3	5	0	0	0
Management Systems	0	1	0	0	0	0
Mathematics & Statistics	2	1	5	0	0	0
Mechanical Engineering	13	30	27	8	1	3
Metallurgical Engineering	5	0	9	0	0	0
Mining Engineering	2	0	3	0	0	0
Nuclear Engineering	2	7	4	1	0	0
Petroleum Engineering	1	0	0	1	0	0
Philosophy	0	0	0	0	0	0
Physics	2	1	6	1	0	0
Psychology	0	0	1	0	0	1
Non-Degree Candidates	0	0	0	0	0	0
*****	*****	*****	*****	*****	*****	*****
Minorities						
American Indian	3	2	2	0	0	0
Asian	3	7	4	2	1	0
African American	5	6	3	0	0	0
Hispanic	3	1	3	0	0	0
Women	71	88	105	5	1	5
*****	*****	*****	*****	*****	*****	*****
Summary						
	Fall 1997	Fall 1996	Fall 1995			
Total Freshmen	228	309	349			
Missouri Freshmen	133	161	166			
Non-MO Freshmen	95	148	183			
Total Transfers	23	7	15			
Graduate	5	18	9			

The above counts reflect the number of accepted prospects as of this date in each year shown.



University of Missouri-Rolla
Academic Council

To: UMR FACULTY

Thursday, October 17, 1996; 1:30 P.M.; 204 McNutt

- I. Approval of minutes of the September 19, 1996 meeting
- II. Reports and Responses
 - A. President's Report (10 minutes) Jeff Cawlfeld
 - 1. IFC Report Greg Gelles
 - B. Chancellor's Report (10 minutes) John Park
(10 minutes for Questions and Answers)
- III. Reports of Standing and Special Committees
 - A. Curricula (5 minutes) Howard Pyron
 - 1.*Report No. 2
 - B. Personnel (No report)
 - 1. Tenure and Promotion Procedures
 - 2. Faculty Awards(11-30-95)
 - 3. Faculty Compensation for Video Instruction(12-18-95)
- IV. Old Business
- V. New Business and Announcements
 - A. Director of Writing Center Linda Bergmann
 - B. Staff Council
 - C. Student Council

*Information distributed with agenda to Academic Council members and department chairs.



University of Missouri-Rolla
Academic Council

VOL. XXVI, NO. 2
Minutes of the Academic Council Meeting
October 17, 1996

XXVI,2. The meeting was called to order at 1:30 P.M. by President Jeff Cawlfeld. One substitution was noted-Dhrani for Mitchell.

.1 It was moved and seconded to approve the minutes of the September 19 meeting, with one correction (the name of the University President, Melvin George). Motion carried.

.2 REPORTS AND RESPONSES

A. PRESIDENT'S REPORT-Professor Cawlfeld gave a brief report on items of interest from past and upcoming meetings.

1. He said the IFC would meet on October 18, and would be discussing the Common Academic Calendar.

Professors Gelles, Selberg, and Cawlfeld will be attending the IFC meetings, and will be asking the Academic Council to study the issues.

2. President Cawlfeld said there had been a meeting on October 16 of the Presidential Succession Committee. He was to have been included by telephone; but, at the last minute, a closed session was called.

3. Professor Greg Gelles gave the IFC report.

a.He said that Jim Snider talked about the English Proficiency issue, and asked for a plan from each of the four campuses by December 1.

b.Professor Gelles said that the IFC also discussed the Post-Tenure Review process, and he added some comments about his concerns on this issue.

c.Professor Gelles said Lois Pierce from UMSL is the new chair of IFC, and that they had a very good meeting, including an open discussion with President George.

B. CHANCELLOR'S REPORT

1. Dr. Park said that the Strategic Action Plan has been distributed, which included the things that are going to be done to make UMR a better establishment, as well as accomplishments from the past year.

2. On the English Proficiency of Faculty issue, the

Chancellor said he is pleased with the way the Council is making a plan that focuses on student learning and overall communication skills. He said he will likely be writing a Policy Memo to show the legislature that UMR has a plan in place.

3. Dr. Park reported that the Board of Trustees had recently met, and there was good news--UMR picked up two new professorships.

4. The Chancellor said the FY1998-99 will be the University of Missouri's turn to seek Mission Enhancement funding from the state.

a. He said that although each of the four campuses is different, they do have in common being the research institutions for the state.

b. The Chancellor further stated that he is pushing for a strategy that allows each campus to focus on own strengths in the Mission Enhancement process.

5. Q & A--There were a few questions and comments on Post-Tenure Review. Some Council members voiced concerns about the possibility of this process being instituted. Dr. Park said he doesn't think UMR would suffer, and that more pressure would be put on Administration than faculty. Professor Gelles then noted that faculty could lose voice for fear of offending administrators who make regular contract decisions.

.3 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. CURRICULA--Professor Howard Pyron presented this report. After referring to the EC1's presented for information only, he moved to approve the CC1's as distributed. There was a second and motion carried.

B. President Cawlfeld announced the addition to the agenda of a report from Student Affairs. Bill Wilson presented this report.

1. Mr. Wilson said that the Student Affairs Committee had reviewed six constitutions, four of which were now being presented for approval.

2. Handouts were distributed from the constitutions for the four groups: Iron and Steel Society, Racquetball Club, Ultimate! Club, and Fellowship of Christian Athletes.

3. There were some questions and comments, as well as two corrections to wording and spelling.

4. Professor Garnett Walters then moved to approve the four constitutions. There was a second and motion carried.

.4 No old business was presented.

.5 NEW BUSINESS

A. Professor Cawlfieid introduced Dr. Linda Bergmann, the Director of Writing Across the Curriculum.

1. Bergman gave a brief overview of the program, as well as telling a little of her background.

2. She then explained the concept of a writing center and the three things it would include: peer tutoring to create a writing culture; consultations to faculty members on offering writing assignments; and workshops and discussions for faculty.

3. Bergmann asked for examples of student papers with which to train tutors, students from all fields to be tutors, and any faculty interested in consultation. She then passed out contact sheets.

4. Dr. Park commented that, at some point, a system would need to be built that students couldn't escape, once they are referred to a tutor.

B. STUDENT COUNCIL

1. Rich Lee made some brief remarks, saying that over 80 student issues had been presented. He asked for patience if it seems that Student Council is taking too much time in addressing those.

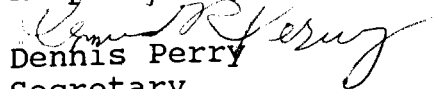
2. Professor Gelles asked about St. Pat's Concept Teams and their progress.

a. Mr. Lee elaborated on some of the discussions and progress. He said there were less people at the second open forum, but it was a more diverse group. He also said he was pleased with the progression of events regarding St. Pat's.

b. The Chancellor said he had charged the Concept Teams to report at a meeting on this date. Next, the findings would go to the St. Pat's Committee, and then to Academic Council in order for a plan to be formulated.

The meeting was adjourned at 2:30 P.M.

Respectfully submitted,


Dennis Perry
Secretary

Minutes of the Academic Council are considered official notification and documentation of actions approved.

UNIVERSITY OF MISSOURI-ROLLA

Missouri's Technological University

Office of the Registrar

103 Parker Hall
Rolla, MO 65401
(573) 341-4181

MEMO TO: Academic Council
FROM: UMR Curricula Committee
SUBJECT: November 4, 1996

For the information of the Academic Council, the following EC1's have been submitted by the University department for an experimental course that will be offered in the near future.

Review of submitted EC1's:

EC1 728, Ceramic Eng 401, **Fundamentals of Piezoelectricity**. Approved for WS97. 3 hours credit. Prerequisites: Cr Eng 284.

EC1 729, Civil Eng 401, **Physico-Chemical Phenomena in Soils**. Approved for SS97. 3 hours credit. Prerequisites: Cv Eng 315.

EC1 730, Electrical Eng 401, **Crystal Optics**. Approved for WS97. 3 hours credit. Prerequisites: El Eng 273 or equivalent. (Physics was listed on this EC1 form with El Eng as the department but, was taken off. The Physics department must submit a separate EC1 form for experimental courses they wish to offer.)

EC1 731, Economics 201, **Law and Economics**. Approved for WS97. 3 hours credit. Prerequisites: Econ 121 or equivalent.

EC1 732, Computer Science 401, **Data and Image Compression**. Approved for FS97. 3 hours credit. No prerequisites.

EC1 733, Petroleum Engineering 301, **Reservoir Characterization**. Approved for WS97. 2 hours lecture and 1 hour lab. Prerequisites: Senior Standing.

EC1 734, Chemical Engineering 301, **Advances in Biopolymers**. Approved for WS97. 3 hours credit. Prerequisites: Ch Eng 143 or senior standing.

EC1 735, Computer Science 401, **Multimedia Database Systems**. Approved for WS97. 3 hours credit. Prerequisites: Cmp Sc 304.

EC1 736, Phil&LA, Education 301, **Creative Sound and Music Exploration in the Classroom**. Approved for WS97. 1 hour credit. Prerequisite: Senior standing.

EC1 737, Geological Engineering 301, **Groundwater Remediation**. Approved for WS97. 3 hours credit. No Prerequisites.

EC1 738, Mechanical Engineering 401, **Vibration of Shells and Plates**. Approved for WS97. 3 hours credit. Prerequisites: Me Eng 307 or equivalent.

The Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1's be approved.

Review of submitted CC1's:

CC1 4256, Engineering Management 374, **Engineering Design Optimization.**

Approved new course for WS97. 3 hours credit. Prerequisite: Math 229 or consent of instructor
Description reads: This course is an introduction to the theory and practice of optimal design as an element of the engineering design process. The use of optimization as a tool in the various stages of product realization and management of engineering and manufacturing activities is stressed. The course stresses the application of non-linear programming methods.

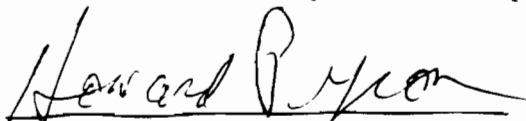
CC1 4257, Education 335, **Curriculum and Instruction of the Middle School.**

Approved new course for WS97. 3 hours credit. Prerequisite: Graduate standing. Description reads: This course advances teachers' understanding of middle school curriculum and instruction. It utilizes knowledge about the nature and needs of young adolescents in developing interdisciplinary learning units, and fosters applications appropriate to experienced teachers' professional assignments.

CC1 4258, Education 305, **Philosophy and Administration of the Middle School.**

Approved new course for WS97. 3 hours credit. No prerequisites. Description reads: this course will acquaint students with aspects of education that are unique to the middle school. Attention will be given to the philosophy underlying the middle school. Finally, leadership theories most appropriate to the middle school will be studied.

CC1 4262, Engineering Management 354, **Integrated Process Development.** Approved new course for WS97. 1 hour lecture and 2 hours lab. Prerequisites: Senior or graduate standing. Description reads: Emphasize design policies of concurrent engineering and teamwork, and documenting of design process knowledge. Integration of various product realization activities covering important aspects of a product life cycle such as "customer" needs analysis, concept generation, concept selection, product modeling, process development, DFX strategies, and end-of-product life options. The effective term was originally for FS97. Dr. Allada asked it be changed to WS97. *(The title for this course was proposed as, "Integrated Product/Process Development. However, Eng Mg also has an EC1 course entitled, "Integrated Product Development." To help ensure the difference between the two courses, the committee approved this course with the stipulation of removing the word "Product" from this Eng Mg 354 title. Dr. Allada, the instructor of this course, approved the change.)*



Howard Pyron, Chair

CC1 4246, Chem 438, **Inorganic Materials Chemistry**. Approved new course for WS97. 3 hours credit. Description reads: Chemical processing of solid materials. Introduction to point groups, space groups, and x-ray diffraction. Bonding in solids - from molecular orbital theory to band theory. Nonstoichiometric materials and Kroger-Vink notation. Optical and electrical properties of semiconductors. Epitaxial growth. Quantum effects in nanophase materials. Prerequisites: Chem 331.

CC1 4247, Life Sc. Approved B.A. program in Life Sciences for FS97. Justification reads: To provide additional flexibility for students interested in the life sciences to pursue an undergraduate liberal arts course of study in preparation for a broader variety of career choices.

CC1 4248, Life Sc 391, **General Virology**. Approved new course for WS97. 3 hours credit. Prerequisites: Life Sc 110, 211, 221, Chem 1, 3, 221. Description reads: An overview of the field of virology, including plant, animal, and bacterial viruses. Discussions will include morphology, classification, virus-host interactions, genetics, clinical and industrial aspects of viruses, and viruses as model systems for basic biological studies.

A handwritten signature in black ink, appearing to read 'A. Pyron', written over a horizontal line.

Howard Pyron, Chair
Curricula Committee




Office of Student Activities and University Center

Bill Wilson
Student Services Coordinator
218 University Center-West
Rolla, MO 65409-0770
Telephone (573) 341-4220
FAX (573) 341-6026
E-Mail: billw@shuttle.cc.umn.edu

November 5, 1996

To: UMR Academic Council

From: Bill Wilson 
Student Services Coordinator

Re: **Student Affairs Committee Report For November 21, 1996 Academic Council Meeting**

The Student Affairs Committee met at 1:30 p.m. on Friday, November 1, 1996. The meeting resulted in the following actions/recommendations being made

1. Recommended the acceptance of the Order of Omega Constitution by the Academic Council
2. Recommended the acceptance of the Carnales de Sigma Lambda Beta Constitution by the Academic Council
3. It was brought to the attention of the committee that Dr. Linda Manning would not be on campus for the 1997 winter term, and therefor, a replacement Faculty member would have to be appointed to the committee no later than the December Academic Council meeting.

Please call me at 341-4286 (email billw@shuttle.cc.umn.edu) if you need any more information. Thank you for your help.

Attachments: Order of Omega Constitution
Carnales de Sigma Lambda Beta Constitution

CONSTITUTION
of
UNIVERSITY OF MISSOURI-ROLLA CHAPTER of
THE ORDER OF OMEGA

Article I - Name

Section 1. The name of this organization shall be The Order of Omega.

Section 2. The Order of Omega is a Greek Leadership Honor Society.

Section 3. This Chapter is at the University of Missouri - Rolla.

Article II - Purpose

Section 1. The purpose of the University of Missouri-Rolla Chapter of The Order of Omega shall be:

First, to recognize those students who have attained a high standard in academics and leadership in Inter-Greek and campus activities, to encourage them to continue along this line, and to inspire others to strive for similar conspicuous attainment.

Second, to bring together members of the faculty, alumni, and student members of the institution's fraternities and sororities on a basis of mutual interest, understanding, and helpfulness.

Section 2. This chapter will conduct leadership/risk management and academic enhancement programs for the fraternities and sororities on this campus.

Article III - Emblem and Colors

Section 1. The emblem of The Order of Omega shall be the Greek letter designating Omega.

Section 2. The colors of the Order shall be ivory and gold.

Article IV - Membership

Section 1. The membership of this Order shall be confined to members of Greek letter, social organizations which are part of the UMR Panhellenic or Interfraternity Council.

Carnales de Sigma Lambda Beta

University of Missouri-Rolla

Constitution

Article I: Name

The name of this organization shall be Carnales de Sigma Lambda Beta.

Article II: Purpose and Objectives

The purpose of Carnales de Sigma Lambda Beta is to start a chapter of Sigma Lambda Beta International Fraternity, Inc. at the University of Missouri-Rolla by promoting Latino culture and standards of excellence in morality, ethics, and education.

Article III: Membership

- and
- A. Regular membership of this organization shall be open to all full-time University of Missouri-Rolla students that maintain at least a 2.0 cumulative grade point average support the purpose as stated in Article II.
 - B. Associate memberships will be available to University of Missouri-Rolla faculty and staff that support the purpose as stated in Article II.
 - C. An Honorary member shall be selected from the Rolla community and approved unanimously by the Regular members.
 - D. Memberships can be terminated by a two thirds vote of all regular members if a member is not in good standing with the organization.
 - E. Voting privileges are only held by Regular members.

Article IV: Officers

- A. The officers of Carnales de Sigma Lambda Beta are:
 - 1. President
 - 2. Vice President
 - 3. Secretary
 - 4. Treasurer
- B. Officers shall not be on academic or disciplinary probation with the University of Missouri-Rolla.

INTEROFFICE MEMORANDUM


University of Missouri-Rolla

Office of the Chancellor

Phone: 573) 341-4114 FAX: 573) 341-6306

e-mail: parkj@shuttle.cc.umsr.edu

TO: Walt Gajda
Jeff Cawlfeld
Greg Gelles
Dennis Perry
Bruce Selberg
Howard Pyron
Jerry Tien
Jerry Westphal
Gary Bertrand
Rich Lee

FROM: John T. Park 
Chancellor

DATE: November 6, 1996

RE: Policy Memorandum

Attached is a first draft of the Policy Memorandum designed to deal with faculty proficiency in English. Also attached is a copy of a letter which I would send to the department chairs to explain how the Policy Memorandum would be implemented. I would greatly appreciate your advice and, particularly, your editorial assistance. I would hope that we could accomplish our goal with minimal extra work.

If we can agree on a draft, I would like to take this Policy Memorandum to the Academic Council on November 21 for their comments. With this in mind, I would appreciate a response by November 15.

JTP:chg

DRAFT

POLICY MEMORANDUM

No. II-61

FACULTY PROFICIENCY IN ENGLISH

UMR's mission requires a faculty that are exceptionally proficient in teaching. This policy memorandum is intended to give official status to practices currently in place which assure that UMR faculty have the communications tools, technical competence, interest in teaching and other attributes which are required to effectively educate students at UMR.

- I. Prior to approval for an on-campus interview, the academic dean's office will certify in writing that an evaluation of the candidate's ability to communicate effectively in English has been satisfactorily completed.
- II. Any recommendation for a faculty appointment will include a specific evaluation of the candidate's interest and ability in teaching and of the candidate's ability to communicate effectively with UMR students.
- III. During the orientation sessions for freshmen and transfer students, the processes available to UMR students for dealing with concerns about faculty communication in the classroom and/or other teaching problems will be clearly explained. Each department will post departmental policy concerning the process available for students to resolve conflicts with their teachers. Those processes will include a method whereby messages can be given to the faculty member in question and/or department chairs without disclosing the identity of the complainant.
- IV. Department chairs and deans will regularly evaluate the questions relating to faculty communication with the students on the student satisfaction with teaching evaluation. The deans and department chairs are responsible for taking appropriate action to provide remedies in situations where teaching or communication skills of the faculty member are deemed to be inadequate.
- V. The faculty will be regularly informed concerning the availability of support for those seeking assistance in improving their communications and/or teaching skills.

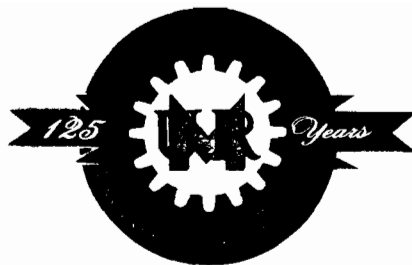
The elements of this Policy Memorandum will provide documentation for procedures which have been, in general, applied for many years.

EFFECTIVE DATE: Immediately.

RESPONSIBILITY: Department Chairs, Deans, Vice Chancellor for Academic Affairs, Chancellor.

BASIS: Missouri Legislature, University of Missouri System, UMR Academic Council, UMR Chancellor

John T. Park
Chancellor



University of Missouri-Rolla
School of Engineering
Office of the Dean

November 8, 1996

MEMO TO: Dr. Jeff Cawlfeld, President
Academic Council

FROM: Jerry Bayless, Chair *JRB*
Public Occasions Committee

RE: 1997-98 Public Occasions Dates and 1998-99 Calendar

On behalf of the Public Occasions Committee I am submitting the Public Occasions Dates for the 1997-98 academic year and the Calendar for the 1998-99 academic year to the Academic Council for consideration.

The suggested dates for the public events were requested by the chairs of the subcommittees which plan, organize and conduct these activities, and by the Student Council in the case of their free day.

The 1998-99 Calendar normally would have been prepared by the Calendar Committee, however it was not possible to do this because of the illness of the committee chair, Dr. Henry Metzner. I prepared the calendar and presented it to the Calendar Committee and to the Public Occasions Committee. I would like to note that there are 45 M-W-F class periods and 30 T-Th class periods in Fall, 1998, and 46 M-W-F periods and 30 T-Th periods in Winter, 1999. We could have 45 M-W-F periods by having registration on Monday, January 11 instead of Friday, January 8, however, the common calendar for the four UM campuses calls for classes to begin on January 11.

CALENDAR - 1998-99

FALL SEMESTER 1998

Fall Semester Opens 7:30 a.m.	August 18, Tuesday
Freshman Orientation	August 18, Tuesday
New Student Orientation	August 19, Wednesday
Student Registration 8:15 a.m.-3:30 p.m.	August 20, Thursday
Classwork begins 7:30 a.m.	August 24, Monday
Labor Day Holiday	September 7, Monday
Mid-Semester	October 17, Saturday
Thanksgiving vacation begins 7:30 a.m.	November 25, Wednesday
Thanksgiving vacation ends 7:30 a.m.	November 30, Monday
Last Class Day	December 11, Friday
Reading Day	December 12, Saturday
Final Examinations begin 8:00 a.m.	December 14, Monday
Final Examinations end 5:30 a.m.	December 18, Friday
Fall Semester Closes 5:30 p.m.	December 18, Friday
December Commencement	December 19, Saturday

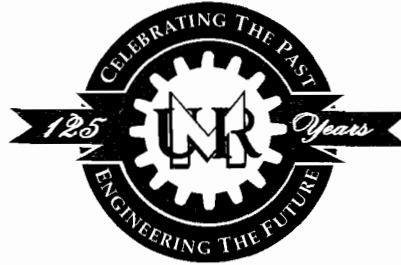
SPRING SEMESTER 1999

Spring Semester Opens 7:30 a.m.	January 8, Friday
Spring Registration 8:15 a.m.-3:30 p.m.	January 8, Friday
Classwork begins 7:30 a.m.	January 11, Monday
Martin Luther King Jr. Recognition Holiday	January 18, Monday
Mid-Semester	March 6, Saturday
Spring recess begins 7:30 a.m.	March 11, Thursday
Spring recess ends 7:30 a.m.	March 15, Monday
Spring Break begins 7:30 a.m.	March 20, Saturday
Spring Break ends 7:30 a.m.	March 29, Monday
Last Class Day	May 7, Friday
Reading Day	May 8, Saturday
Final Exams begin 8:00 a.m.	May 10, Monday
Final Exams end 5:30 p.m.	May 14, Friday
Spring Semester closes 5:30 p.m.	May 14, Friday
May Commencement	May 15, Saturday

*SUMMER SESSION 1999

Summer Session opens 7:30 a.m.	June 7, Monday
Student Registration 8:15 a.m.-3:30 p.m.	June 7, Monday
Classwork begins 7:30 a.m.	June 8, Tuesday
Independence Day Holiday	July 5, Monday
Summer Session Closes 12:00 noon	July 31, Saturday

*Schedule shows the regular eight-week Summer Session. Other special course sessions may be scheduled.



University of Missouri-Rolla
School of Engineering
Office of the Dean

November 8, 1996

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Academic Council

FROM: Jerry Bayless, Chair *JRB*
Public Occasions Committee

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Date: Tue, 12 Nov 1996 15:06:33 -0600 (CST)
To: parkj@shuttle.cc.umn.edu
From: jdc@umn.edu (Jeff Cawlfeld)
Subject: faculty comm. proficiency

I have received a few suggestions and criticisms of the proposed policy memorandum regarding Faculty Communications Proficiency. I have also just received a copy of Dr. Gajda's suggestions and concerns on the same subject. Following are my comments to date.

1. Dr. Gajda notes that I already mentioned one concern that a number of faculty have expressed as follows:

The Dean's will be responsible for ensuring that any recommendation for hiring a new faculty member include a thorough evaluation (certification?) of the communication/teaching ability of the candidate. As Dr. Gajda notes, there will then be three somewhat different standards on campus -- which will lead to a call for a central office or committee to carry out the evaluation. Let's not wait If we must have this onerous procedure for certifying the communications proficiency of a new faculty, it should be centralized from the outset in the Chancellor's or Vice Chancellor's office. This does mean a great deal of work for the responsible campus official, but the benefit is a clear, consistent single set of standards.

2. Item 3 of your memo to the chairs describes a message server that will allow students to anonymously submit email messages of concern about communication and teaching abilities of specific faculty. I just today received a plea from a faculty colleague who is concerned about anonymous complaint letters that appear to be deriving from a form letter from some unidentified campus office (Student Council? Student Affairs?). The form seems to be encouraging students (or anyone for that matter) to submit their complaints, observations, opinions and feelings to any of a long list of offices on campus. Faculty are very concerned about the potential for abuse of any system which utilizes ANONYMOUS mechanisms -- a single student, or very few students, can submit as many complaints as they wish and it may appear that a general uprising of the class is occurring when only one or two disgruntled students are complaining. PLEASE ensure there is a mechanism that will indicate how many DIFFERENT students from a class are submitting complaints --- and that only students from that instructor's particular class section can submit complaints regarding that instructor.

I think that summarizes the concerns I have received to date from RP and A, Academic Council members, and the general faculty. I will continue to forward any suggestions or criticisms as they are received.

I agree with Dr. Gajda that this is a political issue which is undoubtedly based on a few legislators who are uninformed, unwise, and perhaps easily aroused with xenophobic images of professors who cannot speak a word of English. I wonder if we can ask for reciprocity ---> all politicians must be certified as to their ability to communicate clearly to their constituents and to write meaningful, concise, understandable legislation that all constituents may understand!

Thanks Bob.

Colleagues I have talked with about this issue include Lance Williams
o made the original referral to me), Myron Parry, Dale Elifrits, and
■ the RP and A committee. Call on any of us as you see fit.

UNIVERSITY OF MISSOURI—ROLLA FILE COUNT

November 15, 1996

	Freshmen Fall 1997	Freshmen Fall 1996	Freshmen Fall 1995	Transfer Fall 1997	Transfer Fall 1996	Transfer Fall 1995
*****	*****	*****	*****	*****	*****	*****
Departments						
Aerospace Engineering	58	58	78	0	0	1
Arts & Sciences Undecide	33	25	22	2	0	0
Ceramic Engineering	9	17	17	1	1	1
Chemical Engineering	111	120	148	4	6	4
Chemistry	8	20	21	0	0	0
Civil Engineering	67	73	99	6	3	8
Computer Science	99	91	76	0	1	2
Economics	1	2	0	0	0	0
Electrical Engineering	93	108	108	7	7	6
Engineering Management	15	12	13	0	1	0
Engineering Undecided	234	234	277	4	2	0
English	2	3	0	0	0	0
Geological Engineering	9	9	16	0	0	1
Geology & Geophysics	12	14	11	0	0	0
History	1	4	3	0	0	0
Life Sciences	15	19	19	0	0	1
Management Systems	2	7	3	0	0	0
Mathematics & Statistics	9	6	11	0	0	0
Mechanical Engineering	78	86	103	11	4	6
Metallurgical Engineering	15	7	14	0	0	0
Mining Engineering	6	5	5	1	0	0
Nuclear Engineering	6	13	22	1	0	0
Petroleum Engineering	4	3	1	1	0	1
Philosophy	0	1	0	0	0	0
Physics	8	12	25	1	0	0
Psychology	2	5	1	0	0	1
Non-Degree Candidates	0	0	0	0	0	0
*****	*****	*****	*****	*****	*****	*****
Minorities						
American Indian	4	9	8	1	0	0
Asian	14	28	26	2	2	0
African American	23	20	25	0	0	0
Hispanic	10	12	24	1	0	0
Women	243	261	292	10	4	9
*****	*****	*****	*****	*****	*****	*****
Summary						
	Fall 1997	Fall 1996	Fall 1995			
Total Freshmen	897	954	1093			
Missouri Freshmen	537	494	517			
Non-MO Freshmen	360	460	576			
Total Transfers	39	25	32			
Graduate	8	23	11			

The above counts reflect the number of ACCEPTED PROSPECTS as of this date in each year shown.



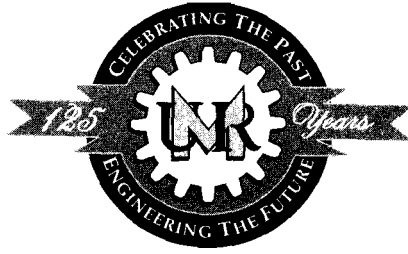
University of Missouri-Rolla
Academic Council

To: UMR FACULTY

Thursday, November 21, 1996; 204 McNutt

- I. Approval of minutes of the October 17, 1996 meeting
- II. Reports and Responses
 - A. President's Report (To include IFC) (10 min.) Jeff Cawlfeld
 - B. Chancellor's Report (10 min.) John Park
(10 minutes for Questions and Answers)
- III. Reports of Standing and Special Committees
 - A. Curricula (5 min.) Howard Pyron
1.*Report No. 3
 - B. Personnel (No report)
 - 1. Tenure and Promotion Procedures
 - 2. Faculty Awards (11-30-95)
 - 3. Faculty Compensation for Video Instruction (12-18-95)
 - C. Public Occasions (10 min.) Jerry Bayless
1.*Calendar
 - D. Student Affairs (5 min.) Bill Wilson
1.*2 Constitutions
- IV. Old Business
- V. New Business and Announcements
 - A. Staff Council
 - B. Student Council
 - C. Referrals
 - 1. Post Tenure Review (to Tenure Committee)

*Information distributed with agenda to Academic Council members and department chairs.



University of Missouri-Rolla
Academic Council

VOL. XXVI, NO. 3
Minutes of the Academic Council Meeting
November 21, 1996

XXVI,2. The meeting was called to order at 1:35 P.M. by President Jeff Cawlfeld. No substitutions were noted.

.1 It was moved and seconded to approve the minutes of the October 17, 1996 meeting. Motion carried.

.2 REPORTS AND RESPONSES

A. PRESIDENT'S REPORT-Professor Cawlfeld reported on a few items of interest from IFC meetings.

1. He said the IFC discussed the Presidential Search, and that about 75 resumes had been received. Curator Fischer attended the IFC meeting, and said they would probably go down to 10 or 12 to be given further consideration-and then, finally, "whittle" it to 3-5 for interviews. Curator Fischer also said that Faculty would be participating in the review process.

2. President Cawlfeld said IFC discussed Faculty Proficiency in English, and that UMR has a policy now in draft form. He said UMKC drafted a policy similar to ours.

3. Professor Cawlfeld said the IFC continues to discuss the Common Calendar. The IFC recommends that from now on Spring Break will be the last full week in March.

4. The IFC has asked Faculty to start thinking about input on including Learning Disabilities in the ADA. The "push" for this has just started, and IFC will review it. It may bring a change in the way Faculty are allowed to teach, according to Professor Cawlfeld. This issue will probably be referred to one of the Academic Council committees in the near future.

B. CHANCELLOR'S REPORT-Dr. Park discussed three items of importance.

1. On privatization of education (out-sourcing courses), the Chancellor said UMR needs to decide how to respond to such trends, if we want to market courses ourselves, and what role such an approach would play in relation to the overall curriculum.

2. Kellogg Report-It looked at the changing nature of Higher Education (how it is viewed), and showed an ever-widening gap between the monetary value of a high school diploma versus having a Bachelor's degree. The report says that most students now go to college to get a job, not an education per se.

3. Proficiency in English-Dr. Park said that some of the things the legislature is asking Universities to do on this issue are wrong. He said UMR must try to do what we think is right and formalize procedures.

a.The Chancellor gave a brief overview of the Policy Memorandum he has written. He said he has come up with policies not too different from those already in place, but has made them more formal and easier to track.

4. Q and A

a.There was a question from a student about the availability of a Web Link for input to professors from students. Dr. Park said he felt the server should be controlled by the Vice Chancellor of Academic Affairs, while inviting access from students.

b.There were some questions and comments about the LD requirement. Dr. Park said the idea is that we can train the handicapped to function in business. There was a concern voiced that we are expected to train the handicapped, but are not allowed to discuss their disabilities on recommendations.

c.There were some questions and comments about medical insurance.

d.The Chancellor then asked if the Academic Council could "live with" the Policy Memorandum he has drafted on the English Proficiency issue. There was some discussion, but no objections.

.3 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. CURRICULA-Professor Howard Pyron presented this report. After referring to the EC1's presented for information only, he moved to approve the CC1's as distributed. There was a second and motion carried.

B. PUBLIC OCCASIONS-In the absence of Professor Bayless, President Cawlfild presented this report. Professor Bayless arrived during the discussion, and answered questions.

1. The calendar for 1998-99, and the Public Occasions for 1997-98 were presented for approval.
2. There was a request from the Registrar, Myron Parry, to change Spring Registration from January 8 to January 7. A lengthy discussion followed.
3. There was a motion made by Professor Gelles to approve the calendar with the change in January registration. There was a second.
4. A question arose as to whether the Public Occasions were included in this motion. Dean Saperstein said there were objections to the October dates. Professor Bayless addressed this, and there was further discussion.
5. A motion was then made to approve the calendar only, with the change in the January Registration, and further investigation of the Orientation dates. There was a second and motion carried.
6. The Public Occasions dates were then discussed, and Dean Saperstein moved to consolidate Rolla Day and Parents' Day on October 25. Professor Lance Haynes seconded the motion. A lengthy discussion followed. Dr. Park suggested asking the committee to combine the two events and decide on a workable date.
7. Dr. Haddock moved to table and refer. There was a second. After more discussion, Dr. Haddock withdrew his motion.
8. Professor Garnett Walters then moved to approve all the Public Occasions dates, except Parents' Day and Rolla Day, which would be referred back to the Public Occasions Committee to consider combining the two events. There was a second, and motion carried.

- C. STUDENT AFFAIRS-Mr. Bill Wilson presented this report.
1. Mr. Wilson presented two constitutions for approval-The Order of Omega and Carnales de Sigma Lambda Beta.
 2. There were some questions and comments on wording and the meaning of the word Carnales.
 3. A motion was made to approve both Constitutions. There was a second and motion carried.

.4 OLD BUSINESS

- A. Dr. Cawlfild read a proposed editorial change in a Bylaws revision approved last Spring. There were suggested word changes from U-wide legal counsel. After a lengthy discussion, new wording was approved as an editorial change only.

.5 NEW BUSINESS

- A. STAFF COUNCIL-Ms. Debbie Hickey listed three items of interest from this group.
1. Holiday Harvest for Love-request for donations.
 2. She said the fund raiser for a laptop for STUCO failed, and they were discussing other options.
 3. Ms. Hickey said they had discussed including sexual orientation in the non-discriminatory statement, but it has been tabled for the present.
- B. STUDENT COUNCIL-Rich lee mentioned two items of interest.
1. STUCO is working to get a student on the Presidential Search Committee.
 2. He said there had recently been an Open Forum with the architects for renovating the University Center, and more information would be forthcoming.
- C. REFERRALS
1. President Cawlfieid said he had a request to address the issue of anonymous letters of complaint, which he would refer to a committee.
 2. Professor Cawlfieid said he was referring the Post-Tenure Review question to the Tenure committee. There were some questions as to whether this was the appropriate committee. Professor Jerry Westphal then stated that an ad hoc committee from the Tenure and Personnel Committees had been formed before to address this type of thing. Dr. Cawlfieid will investigate this.
- D. ANNOUNCEMENTS-Dr. Cawlfieid made two announcements.
1. There is an upcoming 3 million dollar project to renovate the library. A survey is going out to the students on Monday next for input on this.
 2. Len Koederitz, for the CET, notified President Cawlfieid that the student evaluations were now electronic. There was a lengthy discussion on this subject.

The meeting was adjourned at 2:45 P.M.

Respectfully submitted,



Dennis Perry
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.

Shirley:
Please forward
this revision
and perhaps make a
note to go with
the minutes from
last meeting.
Thanks
Jeff



University of Missouri-Rolla

School of Engineering

Office of the Dean

November 27, 1996

MEMO TO: Jeff Cawlfeld, President, Academic Council

FROM: Jerry Bayless *JRB*

RE: 1998-99

As was decided at the Academic Council meeting on November 21, I contacted Dr. Robinson regarding the opening of the fall semester. She indicated that we should indicate that the fall semester should start on Sunday, August 16.

I have made that change on the opening of the spring semester on the attached calendar.

JRB:sh

CALENDAR - 1998-99

FALL SEMESTER 1998

Fall Semester Opens	August 16, Sunday
Freshman Orientation	August 16, Sunday
New Student Orientation	August 19, Wednesday
Student Registration 8:15 a.m.-3:30 p.m.	August 20, Thursday
Classwork begins 7:30 a.m.	August 24, Monday
Labor Day Holiday	September 7, Monday
Mid-Semester	October 17, Saturday
Thanksgiving vacation begins 7:30 a.m.	November 25, Wednesday
Thanksgiving vacation ends 7:30 a.m.	November 30, Monday
Last Class Day	December 11, Friday
Reading Day	December 12, Saturday
Final Examinations begin 8:00 a.m.	December 14, Monday
Final Examinations end 5:30 a.m.	December 18, Friday
Fall Semester Closes 5:30 p.m.	December 18, Friday
December Commencement	December 19, Saturday

SPRING SEMESTER 1999

Spring Semester Opens 7:30 a.m.	January 7, Thursday
Spring Registration 8:15 a.m.-3:30 p.m.	January 7, Thursday
Classwork begins 7:30 a.m.	January 11, Monday
Martin Luther King Jr. Recognition Holiday	January 18, Monday
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Spring recess begins 7:30 a.m.	March 11, Thursday
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Spring Break begins 7:30 a.m.	March 20, Saturday
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Last Class Day	May 7, Friday
Reading Day	May 8, Saturday
Final Exams begin 8:00 a.m.	May 10, Monday
Final Exams end 5:30 p.m.	May 14, Friday
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*SUMMER SESSION 1999

Summer Session opens 7:30 a.m.	June 7, Monday
Student Registration 8:15 a.m.-3:30 p.m.	June 7, Monday
Classwork begins 7:30 a.m.	June 8, Tuesday
Independence Day Holiday	July 5, Monday
Summer Session Closes 12:00 noon	July 31, Saturday

*Schedule shows the regular eight-week Summer Session. Other special course sessions may be scheduled.

Date: Fri, 10 Jan 1997 11:10:26 -0600
From: jeff cawlfild <jdc@umr.edu>
To: rlaudon@umr.edu
Subject: referral

Bob:

I am at home, partially snowbound, and partially kid-bound. So I thought I would send you some work! Shirley and I think you are chair of the Admissions and Academic Standards committee. Here is the referral:

Currently students may drop a class up to the end of the 12th week of the semester. I believe that after the 6th week they receive a WD. After the 12th week they must receive either a grade or an INCOMPLETE.

However, students can ADD a class at any time with the instructor's permission (it may require Dpt. Chair too, I am not sure). Myron relates that this past semester, a Civil Eng. student actually added a class on the LAST class day of the semester.

Here's the potential problem: some students will drop a class, or be dropped, prior to the 12 th week. But they might (and some do) continue to go to class, take quizzes, exams, and do homework, in order to see if they can improve their grade. If they do -- they will add the class. If they are not able to improve the grade, then they are covered because they are already officially dropped. At the extreme, Gary Bertrand relates that he has had a student come to his class for weeks without officially enrolling. The student has paid no fees, but is simply seeing how it works out, then if the grade looks OK to the student, they will add the course. Apparently, there is no rule about a deadline for adding a course (obviously, if a student can add on the last day of class).

Now, it is true that the professor must approve the add (and perhaps the dept. chair too); however, it is very difficult to deny a student the right to add a course if they are willing to pay the fees, and they are meeting the course requirements

So -- we want your committee to review the ADD COURSE procedures. See if it would make sense to have a deadline for adding a course. Or perhaps, we could recommend a large monetary penalty be added to regular fees if a student wishes to add at a late date. Perhaps your committee will come up with a creative solution.

Finally, there have been a number of complaints from faculty regarding the 12th week deadline for dropping a course. Many faculty feel that we are encouraging a lack of responsibility on the part of the students by giving them such a late "out" from a course. It has been suggested by some faculty that the last date to drop should be firmly set at the fourth or sixth week. But the faculty do NOT want the old extenuating circumstances option reinstated. It has been suggested that perhaps a student could appeal to a board of students and faculty (maybe your committee would be the correct forum) after the drop date for truly extenuating circumstances. But it should not be up to the faculty -- who tended to let everyone drop at any time for almost any reason because they did not want to argue with students or be perceived as hard nosed.

Anyway -- after that long bit of verbage -- could you guys meet a few times and discuss the whole ADD/DROP procedure and make some recommendations?

Date: Fri, 10 Jan 1997 10:51:16 -0600
From: jeff cawlfieid <jdc@umr.edu>
To: bpaul@umr.edu
Subject: (no subject) referral on post tenure review

Hi Bruce:

I need to get this referral passed on to you and to Professor Adawi (Chair of the Tenure Committee). Since I am more or less snowed in this morning, watching my daughter on a day off from school, I thought I would take this opportunity to officially send you the referral regarding:

Post Tenure Review!

I believe we in RP and A agreed that a joint committee made up of members from Personnel and from Tenure should begin collecting information regarding what is happening nationally with the post tenure review issue. I know Steve Lehmkuhle sent us on IFC some information regarding a couple of other states. If you do not have copies, I believe I have them in one of my files. What we need is for the joint committee to simply investigate and collect all national information and summarize what is happening, trends, good and bad, etc. Perhaps we could get a report by the end of the semester. Also, Jerry Westphal mentioned that a similar joint committee briefly looked into this issue, or at least a like issue, about 2 or 3 years ago. I think Ray Edwards was involved. The new joint committee should see if they can dig up that report, or get a summary of the previous work from Ray Edwards.

I could not find Professor Adawi's email address, so I am asking you, by copy of this email, to send Professor Adawi a campus "snail" mail copy of this referral.

Thanks Bruce and Ibrahim! Contact me if you have any questions.

Jeff

UNIVERSITY OF MISSOURI-ROLLA
Missouri's Technological University

Office of the Registrar
1870 Miner Circle
103 Parker Hall
Rolla, MO 65409-0930

MEMO TO: ACADEMIC COUNCIL
FROM: UMR CURRICULA COMMITTEE
SUBJECT: JANUARY 10, 1997, MEETING

For the information of the Academic Council, the following EC1's have been submitted by the University department for an experimental course that will be offered in the near future.

Review of submitted EC1's:

EC1 739, Speech & Media Studies 201, *Leadership Practicum*. Approved for WS97. 3 hours credit. Prerequisites: Speech & Media Studies 201(Leadership Communication 201-was offered FS96) or approved leadership experience.

EC1 740, Mathematics 401, *Introduction to Difference Equations*. Approved for SS97. 3 hours credit. Prerequisites: Math 204 or 229 and Math 208 or 203.

EC1 741, Mining Engineering 401, *Optimization Applications in Mining I*. Approved for WS97. 3 hours credit. Prerequisites: Graduate standing or instructor's approval.

EC1 742, Philosophy & Liberal Arts, Philosophy 301, *Environmental Ethics*. Approved for FS97. 3 hours credit. Prerequisites: Any introductory (below 100) level philosophy course.

EC1 743, Cv Eng, Environmental Engineering 401, *Chemical Principles in Environmental Engineering*. (Co-listed with Cv Eng 401). Approved for FS97. 3 hours credit. Prerequisites: Graduate standing.

EC1 744, Civil Engineering 401, *Chemical Principles in Environmental Engineering*. (Co-listed with Env Eng 401) Approved for FS97. 3 hours credit. Prerequisites: Graduate standing.

EC1 745, History 201, *Modern European Diplomatic History*. Approved for FS97. 3 hours credit. Prerequisite: History 112.

EC1 746, Philosophy & Liberal Arts, Theatre, 101 Missouri London, *On Stage in London: A Theatrical History of Theatre in London from the Renaissance to Present Day*. Approved for SS97. 3 hours credit. No prerequisites.

EC1 747, Philosophy & Liberal Arts, Education 301, *Adolescent Development*. Approved for WS97. 3 hours credit. Prerequisites: Graduate standing.

EC1 749, Geological Engineering 401, *Remedial Engineering for Uncontrolled Hazardous Waste Sites*. Approved for WS97. 3 hours credit. Prerequisite: Ge Eng 337.

EC1 750, Geological Engineering 301, *Risk Assessment in Environment Studies*. Approved for FS97. 3 hours credit. No prerequisite.

EC1 751, Mining Engineering 401, *Expert System Applications in Mining*. Approved for FS97. 3 hours credit. Prerequisites: Graduate standing or instructor's approval.

EC1 752, Economics 201, *Law and Economics*. Approved for FS97. 3 hours credit. Prerequisites: Econ 121 or equivalent. (This EC1 was not included in our agenda but, submitted at the meeting by Dr. Robertson per Dr. Johnson's request.)

The Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1's be approved.

Review of submitted CC1's:

CC1 4259, Nuclear Engineering. Approved curriculum change for FS97. Modify elective requirement in junior and senior years to amend footnote "d" to include specific advanced math requirement.

CC1 4260, Computer Science 484, *Array for Massively Parallel High Performance Computing II*. Approved deletion for WS97.

CC1 4261, Engineering Management 282, *Production Engineering*. Approved for FS97. Change in course title from *Production Management*. Change in prerequisites from Stat 213 or Stat 215, Cmp Sc 74, Eng Mg 209 "TO" Mt Eng 121, Bas En 110, Eng Mg 209 and Stat 213 or 215. Change in description to: This course presents the techniques of production engineering at an introductory level. Methods of production are introduced, and better management of the production enterprise is explored with a focus on improved productivity, quality, efficiency, and cost savings.

CC1 4265, Civil Engineering 316, *Soil Dynamics I*. Approved for FS97. Change in course title from *Elementary Earthquake Engineering*. Change in prerequisites from Cv Eng 215 "TO" Cv Eng 215 with a grade of "C" or better. Change in description to: Damage to structures during earthquakes, magnitude and intensity scales, theory of vibrations, single and two degrees of freedom, earthquake spectrum, dynamic soil properties, simple solutions of liquefaction, retaining structures, piles and embankments.

CC1 4266, Civil Engineering 413, *Soil Dynamics II*. Approved for FS97. Change in course title from *Dynamics of Earth Materials*. Change in description to: theory of vibration, spectral response site-specific response spectra, seismic risk analysis, detailed design of retaining structures, pile and machine foundations, soil structure interaction. Dynamic soil properties, seismic slope, stability analysis problem solving by shake, pilay2, winsliq-1, ddrw-1 research needs.

CC1 4268, Mathematics & Statistics. Approved curriculum change for FS97. Five previously approved emphasis areas are listing specific courses in each area. The emphasis areas are Actuarial Science, Algebra/Discrete Mathematics, computational Mathematics, Applied Analysis, and Statistics emphasis areas.

CC1 4269, Mathematics & Statistics. Approved change in curriculum for FS97. Correction of footnotes.

CC1 4270, Chemistry 224, *Organic Chemistry Lab*. Approved for FS97. Change in course title from *Organic Chemistry II Lab*. Change in description to: The use of organic chemical laboratory procedures. For chemical engineering majors only.

CC1 4271, Chemistry 228, *Organic Chemistry II Lab*. Approved for FS97. Change in description to: Continuation of Chem 226.

CC1 4272, Chemistry 226, *Organic Chemistry I Lab*. Approved for FS97. Change in description to: Laboratory involves purification techniques, simple and multi-step synthesis and spectroscopic identification of organic functional groups.

CC1 4274, Psychology 050, *General Psychology*. Approved for FS97. Change in course title from *General Psychology I*. Change in description to: An introduction to the science of the human mind and behavior. Topics include brain structure and function, human development, learning and memory, motivation, emotion, personality and psychological health, psychological disorders and their treatment, and social cognition and human relationships.

CC1 4275, Psychology 140, *Experimental Psychology*. Approved for FS97. Change in course title from *General Experimental Psychology*. Change in description to: An introduction to the content, models, and methodologies of psychological research. The student is exposed to fundamental components in conducting psychological research including the literature review, experimental design, statistical analyses, and interpretation.

CC1 4276, Psychology 212, *Industrial Psychology*. Approved for FS97. Change in description to: A general survey of the field of industrial/organizational psychology including topics such as organizational entry (recruitment, selection, training), involvement and participation (motivation, performance assessment, leadership) and organizational influences on work behavior and work attitudes.

CC1 4277, Psychology 311, *Human Factors and Ergonomics*. Approved for FS97. Change in course title from *Human Factors*. Change in description to: An examination of human-machine systems and the characteristics of people that affect system performance. Topics include applied research methods, systems analysis, and the perceptual, cognitive, physical and social strength and limitations of human beings. The focus is on user-centered design of technology.

CC1 4278, Psychology 305, *Cognitive Psychology*. Approved for FS97. Change in description to: An examination of the basic cognitive processes and their roles in human intelligence and behavior. Topics include attention, memory, knowledge representation, problem solving, decision making, reasoning, language, and consciousness.

CC1 4279, Psychology 358, *Mental Retardation*. Approved deletion for FS97.

CC1 4281, Physics. Approved change in curriculum for FS97. Justification reads: C++ has become an important programming language. Physics students will now have option of taking course in Fortran or C++.

CC1 4283, Electrical Engineering 153, *Circuits II*. Approved for WS97. Change in prerequisites from, Both Math 22 and El Eng 151 with a grade of "C" or better. Passing grade on the El Eng advancement Exam I, students should enroll in El Eng 152 and 153 simultaneously "TO" both Math 22 and El Eng 151 with a grade "C" or better. Passing grade on the El Eng Advancement Exam I. Students should enroll in El Eng 153 and 154 simultaneously.

CC1 4284, Philosophy & Liberal Arts, Speech & Media Studies 270, *Leadership Practicum*. Approved new course for FS97. 3 hours credit. Prerequisites: Speech & Media Studies 265 or permission of instructor. Description reads: This course provides opportunities for students to do qualitative and quantitative research in leadership, small group, and organizational communication associated with activities at the Oral Communication Center.

CC1 4285, Philosophy & Liberal Arts, Speech & Media Studies. Change in catalog description. Approved for WS97.

CC1 4286, Philosophy & Liberal Arts, Speech & Media Studies, new minor program called, *Leadership Communications Minor*. Approved for WS97.

CC1 4287, Philosophy & Liberal Arts, new minor program called, *Communications*. Approved for WS97.

CC1 4288, Philosophy & Liberal Arts, Speech & Media Studies 265, *Leadership Communications*. Approved new course for FS97. 3 hours credit. Prerequisites: &MS 150, 181, or permission of instructor. Description reads: This course explores various approaches to leadership with emphasis on the communication theories and behaviors associated with leadership in modern corporate and public contexts.

CC1 4295, Psychology. Approved change in curriculum for FS97. The change credit hours on CC1 4275, Psycho 140, from 3 hours "TO" 4 hours changed the total hours of the Psychology curriculum. This CC1 had to be submitted to reflect this change.



Edward Pyron, Chair

The Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1's be approved.

Review of submitted CC1's:

CC1 4273, English 195, *Introduction to Literature & Science*. Remove from table. Approved new course for FS97. 3 hours credit. Prerequisite: English 20. Description reads: This introductory course surveys the theory and development of the interdisciplinary field of literature and science. The course will explore the intersection between literature and science by examining works of science, literature, and criticism in a context of cultural studies. Justification reads: (Core course for the Literature and Science minor.)

CC1 4280, English, *Literature & Science minor*. Removed from table. Approved new *Literature and Science* minor program for FS97. The minor requires 12 hours, including the required core course, English 195 and 9 hours of electives.

CC1 4282, Electrical Engineering 252, *Electronics II*. Removed from table. Approved changes for WS98. Change in course number **FROM** El Eng 254. Change in course title **FROM**, *Electronics Circuits II*. Change in prerequisites from El Eng 211 and El Eng 253 **"TO"** El Eng 251. Change in credit hours from 3 hours lecture **"TO"** 3 hours lecture and 1 hour lab. Change in description to: Power amplifiers, frequency response, stability, integrated circuits, applications of integrated circuits, advanced bipolar and FET logic gates, flip flops and registers. (*El Eng 252 will replace El Eng 254 effective WS98 semester.*)

CC1 4289, Computer Science. Approved change in minor program effective FS97 semester. Justification reads: Faculty decision to require a course in the Cmp Sc minor.

CC1 4290, Mathematics & Statistics, Statistics 390, *Undergraduate Research*. Approved new course for FS97. Variable credit. Prerequisite: Consent of instructor. Description reads: This course is designed for the undergraduate student who wishes to engage in research. It is not to be used for graduate credit nor for more than six credit hours of undergraduate credit. The subject and credit are to be arranged with the instructor.

CC1 4291, Mathematics & Statistics, Mathematics 390, *Undergraduate Research*. Approved new course for FS97. Variable credit. Prerequisite: Consent of instructor. Description reads: This course is designed for the undergraduate student who wishes to engage in research. It is not to be used for graduate credit nor for more than six credit hours of undergraduate credit. The subject and credit are to be arranged with instructor.

CC1 4292, Computer Science 234, *Introduction to Computer Organization and Assembly Language Programming*. Approved for FS97. Change in prerequisites from Cmp Sc 158 and competency in a high level programming language **"TO"** Cmp Sc 53 and Cmp Sc 158.

4293, Mathematics & Statistics, Mathematics 204, *Elementary Differential Equations*. Change in description to: First order differential equations and linear differential equations of second order are studied. The Laplace transform and systems of linear equations as well as selected physical applications are covered. Credit will not be given for both math 229 and math

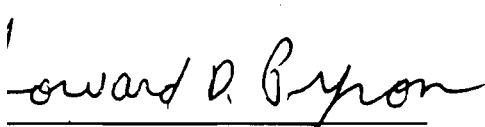
4294, Metallurgical Engineering 333, *Nonferrous Alloys*. Approved new course for FS97. 3 hours credit. Prerequisites: Mt Eng 217 or Mt Eng 377. Description reads: Structure and properties of nonferrous alloys (Al, Ti, Mg, Ni and Cu) are described. The role of processing and microstructure in the development of mechanical properties is emphasized.

4296, English 065, *The Technical Writer in Business and Industry*. Approved for FS97. Change in description to: Introduction to the role of professional technical writer in business and industry and practice in methods of developing technical materials such as operation and maintenance manuals, field bulletins, grant proposals, inserts, or other technical publications.

4297, Nuclear Engineering. Approved change of description in catalog for FS97. Description reads: to meet ABET requirements.

4298, Philosophy & Liberal Arts, Art 251, *Genre Studies in Film & Literature*. Approved new course for FS97. 3 hours credit. Prerequisite: Art 85. Description reads: Topics examine various generic relationships between film & Literature. (e.g., comedy, film noir, western literature.) *This CC1 replaces CC1 4264.*

4299, Philosophy & Liberal Arts, Art 250, *Thematic Studies in Film & Literature*. Approved new course for FS97. 3 hours credit. Prerequisite: Art 85. Description reads: Different thematic relationships between film & literature (e.g., Poe & Hitchcock, Shakespeare on etc.) will be studied. *This CC1 replaces CC1 4263.*



Howard D. Pyron, Chair

UNIVERSITY OF MISSOURI-ROLLA
Missouri's Technological University

Office of the Registrar
1870 Miner Circle
103 Parker Hall
Rolla, MO. 65409-0930

Memo To: Academic Council
From: UMR Curricula Committee
Subject: January 10, 1997, meeting:

For the information of the Academic Council, the following EC1's have been submitted by the University department for an experimental course that will be offered in the near future.

Review of submitted EC1's:

EC1 753, Computer Science 401, *Multimedia Database Systems*. Approved for FS97. 3 hours credit. Prerequisites: Cmp Sc 304.

EC1 754, Computer Science 401, *Data Mining*. Approved for FS97. 3 hours credit. Prerequisites: Cmp Sc 347 or Cmp Sc 304. (Consent of instructor deleted since this is an understood prerequisite.)

EC1 755, English 201, *Teaching and Supervising Writing*. Approved for WS98. 3 hours credit. Prerequisites: 6 hours of college level writing courses.

EC1 756, Metallurgical Engineering 401, *Steelmaking Process Development*. Approved for FS97. 3 hours credit. Prerequisites: Mt Eng 281 or Cr eng 259; Mt Eng 204 or equivalent.

EC1 757, Metallurgical Engineering 301, *Steelmaking*. Approved for FS97. 3 hours credit. Prerequisites: Mt Eng 281 or Cr Eng 259; Mt Eng 204 or equivalent.

EC1 758, Metallurgical Engineering 401, *Advanced Nonferrous Alloys*. Approved for FS97. 3 hours credit. Prerequisites: Mt Eng 217 or Mt Eng 377.

Prior to the Fall Semester, 1996, an in-class student evaluation instrument has been utilized for both selecting the Outstanding Teacher Award Recipients and for personnel and salary decisions by department chairs, deans, and other administrators. Because of past concerns with respect to the statistical reliability of the in-class evaluation and the consistency in which this evaluation has been administered, the Committee for Effective Teaching (CET) decided, for Fall 1996, to move to an on-line voluntary student evaluation instrument for awarding the Outstanding Teaching Awards. It was also expected that the scores on this new on-line instrument would be utilized as a part of a comprehensive package for personnel and salary decisions by chairs and deans.

Given the well-known problems associated with the old evaluation instrument, we applaud the CET for undertaking this innovative change. However, the results from the Fall 1996 semester have been disappointing. The student response rate has been reported as approximately 25%, one-half the response rate of the previous survey instrument. In addition, there appears to be large variability in the response rate among classes, with some faculty reporting zero responses in classes as large as 20 students.

Given this poor response rate, it appears that the new instrument is even more statistically suspect than the older one. The Rules, Procedure, and Agenda Committee therefore makes the following motion:

We move that the student evaluation scores for Fall 1996, not be used by the Committee for Effective Teaching for awarding any on-campus teaching awards and that department chairs, college deans and other administrators refrain from utilizing these scores for the purposes of personnel decisions or salary distribution. We further move that the Committee for Effective Teaching take steps necessary to improve significantly the student response rate to the on-line instrument for Spring 1997. If the response rate continues to remain low, we move that the CET undertake, in consultation with the faculty, to develop a new survey instrument for Fall 1997 that is more statistically reliable. We also move that the administration provide the resources necessary to assist the CET in this task, including the possibility of seeking outside consultation in this process.

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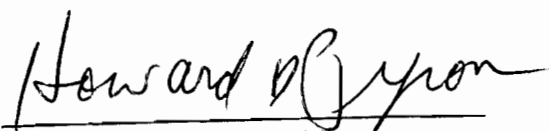
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CC1 4296, English 065, *The Technical Writer in Business and Industry*. Approved for FS97. Change in description to: Introduction to the role of professional technical writer in business and industry and practice in methods of developing technical materials such as operation and maintenance manuals, field bulletins, grant proposals, inserts, or other technical publications.

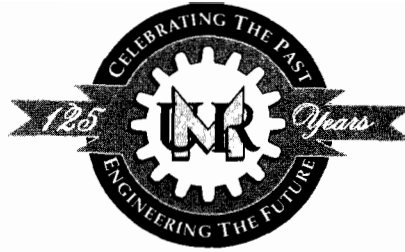
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Howard D. Pyron, Chair



University of Missouri-Rolla

Academic Council

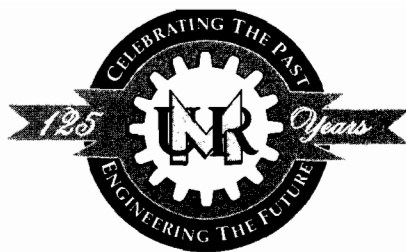
To:

UMR FACULTY

Thursday, January 16, 1997

- I. Approval of minutes of the November 21, 1996 meeting
- II. Reports and Responses
 - A. President's Report (To include IFC) (10 min.) Jeff Cawlfeld
 - B. Chancellor's Report (10 min.) John Park
(10 minutes for Questions and Answers)
- III. Reports of Standing and Special Committees
 - A. Curricula (5 min.) Howard Pyron
 - 1. Report No. 4
 - B. Personnel (No report) Bruce Selberg
 - 1. Tenure and Promotion Procedures
 - 2. Faculty Awards (11-30-95)
 - 3. Faculty Compensation for Video Instruction (12-18-95)
 - C. Public Occasions (5 min.) Jeff Cawlfeld
 - D. Student Affairs (5 min.) Bill Wilson
 - 1. *5 Constitutions
- IV. Old Business
- V. New Business and Announcements
 - A. Staff Council
 - B. Student Council
 - C. Referrals
 - 1. To Admissions and Academic Standards (Add and Drop dates)

*Information distributed with agenda to Academic Council members and department chairs.



University of Missouri-Rolla
Academic Council

VOL. XXVI, NO. 4
Minutes of the Academic Council Meeting
January 16, 1997

XXVI,4 The meeting was called to order at 1:30 P.M. by President Jeff Cawlfeld, with one substitution noted-Mark Fitch for Charles Morris.

.1 It was moved and seconded to approve the minutes of the November 21, 1996 meeting. Motion carried.

.2 REPORTS AND RESPONSES

A. PRESIDENT'S REPORT-President Cawlfeld reported briefly on a few items of interest.

1. Professor Cawlfeld said the IFC meeting was focused on the common calendar-first day of class and breaks will be the same for all campuses. Spring break will be the last full week in March, which works well for UMR.

2. Health Care had also been discussed, and according to President Cawlfeld, some providers may be out after April 1. He stated that Professor Selberg and others are pushing for more choices in terms of hospital providers, etc. In answer to a question from the floor concerning a "vision package," Professor Selberg reported that it is apparently dead for this academic year.

3. Professor Cawlfeld reported on the Committee for Effective Teaching results on the first electronic "go-round," comparing Fall, 1995, with Fall, 1996. According to information given President Cawlfeld by Professor Koederitz:

a. For Fall, 1996, about half the number of students responded, compared to Fall, 1995; however, more classes and faculty were evaluated. The same overall average of 2.7 resulted.

b. Professor Lance Haynes commented that Fall, 1995-with its last minute decision to use paper-was not necessarily the ideal "normal" semester to compare with the new electronic system. He suggested redoing it with other semesters.

B. CHANCELLOR'S REPORT-Dr. Park gave a brief report on current issues of interest.

1. UMR's bylaws editorial changes have been submitted, and Dr. Park does not foresee a problem.

2. The Chancellor reported on the General Officer's meeting.

a. Mission Enhancement money opportunity will be coming up, and must be done before a new President is in place. Our proposal to the legislature for special money will be in conjunction with the other three campuses.

3. Dr. Park said that research money (when coming from the state) will be more accountable to the state.

4. The Chancellor also said an Administrative Systems project is being considered-a multi-million dollar new data base program of U-wide system information. He said the current systems are not meeting administrative needs.

.3 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. CURRICULA-Professor Howard Pyron presented this report. Copies of this report were distributed. After referring to the EC1's presented for information only, he moved to approve the CC1's as presented. With one small editorial change, there was a second and motion carried.

B. PUBLIC OCCASIONS-Professor Cawlfild presented this report, in the absence of Professor Jerry Bayless. He reported that the committee had considered the questions from the last Academic Council meeting, and that they did not feel that the changes would be possible for the next academic year for Parents' Day, Homecoming, etc. There was a motion to set Parents' Day, Homecoming, and Rolla Day on the dates originally submitted by the Public Occasions Committee. There was a second, and motion carried.

C. STUDENT AFFAIRS-Mr. Bill Wilson presented this report. The five constitutions previously distributed were presented for approval. There was a motion and a second to approve all five. Motion carried.

.4 OLD BUSINESS-No old business was presented.

.5 NEW BUSINESS

A. REFERRALS

1. A referral was made to Admissions and Academic Standards to look at add/drop dates in response to the practice of dropping and then adding the same class at a later date.

The meeting was then adjourned.

Respectfully submitted,

A handwritten signature in cursive script, appearing to read "Dennis R. Perry", written over a horizontal line.

Dennis Perry
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.



INTEROFFICE MEMORANDUM

University of Missouri-Rolla

Office of the Chancellor

206 Parker Hall

Phone: 573) 341-4114 FAX: 573) 341-6306

e-mail: parkj@shuttle.cc.umsr.edu

TO: UMR Faculty and Staff

FROM: John T. Park
Chancellor *John T. Park*

DATE: January 31, 1997

RE: Planning Process for FY97/98

Attached is a schedule for the planning process for FY97/98. UMR can take great pride in the success of its strategic plan over the last few years. This year, our planning process must also address a new five-year plan and the University's mission enhancement request. As a result, our expectation is that this year's Strategic Action Plan will involve fewer, but more comprehensive action items. Several of these action items will be determined by the University Planning processes. However, the input of all the faculty and staff is solicited both in shaping those action items which are in response to system-wide initiatives and in determining other major action items.

The proposed timetable is intended to provide adequate opportunity for faculty and staff to become informed about the process and to bring their suggestions, ideas and wisdom to the planning process. In addition, the Deans, Vice Chancellors and I will be available to discuss strategic planning by invitation. It is not expected that anyone will attend every meeting, but I sincerely hope that everyone will take the opportunity to become informed and contribute to the development of the new Strategic Action Plan.

JTP:chg
Attachment

PLANNING PROCESS FY 97/98

Wednesday, February 19

11:30-1:00

Missouri Room

AGENDA

- I. Mission/Vision
- II. Strategic Planning Outline
 - A. Initiatives
 - B. Goals
- III. Five-year Plan
- IV. Strategic Action Plan Guidelines
- V. Major Shortcomings noted in MQA Process and Actions Taken
- VI. Discussion

Tuesday, March 4

11:30-1:00

Missouri Room

Theme: Mission Enhancement

Monday, March 31

3:30-5:00

109 Campus Support

Theme: Proposals for Major Strategic Action Items

- 1. New Degree Programs (modernizing degree offerings)
- 2. Retention
- 3. Activity Based Costing - Budgeting - Productivity
- 4. Graduate, Professional, and Research Focused on State Needs
- 5. Others

Wednesday, April 30

8:30-10:00

Missouri Room

Theme: Discussion - Review - Draft of FY98 Strategic Action Plan

Date: Mon, 3 Feb 1997 08:26:12 -0600 (CST)
To: "Myron Parry" <mparry@shuttle.cc.umar.edu>
From: jdc@umar.edu (Jeff Cawlfeld)
Subject: Re: Repeated Courses

Myron:

Email is certainly a good way to initiate a referral, and I appreciate this one. It sounds like an important issue that I suspect most faculty have not thought about. I will probably refer this to Admissions and Academic Standards, which is now chaired by Kurt Kosbar [Kurt, I am sending you a copy of this message as a preliminary referral for you to start thinking about you and the committee can start working on this at your next meeting].

Jeff

>
> Jeff, I hope this format is acceptable for a referral. It does save time.
>
> Over the years, there has been a nagging concern from some of the faculty that
> a few students, in order to bring their UMR gpa to a 2.000 for graduation, were
> repeating courses which they had previously completed with a grade of "A" or
> "B". In repeating these courses, they are raising their gpa without raising
> their educational accomplishments. Most universities have regulations which
> would prohibit students from repeating courses in which they have already
■ earned a "B" or "A" grade. I would like to ask Academic Council to study the
> possibility of implementing such a rule at UMR.
>
> With this request, there is also a need to define repeatable courses. Some
that
> come to mind that we have treated as repeatable are: Special Problems, 100,
> 200, 300 and 400; Seminars, 210, 310, and 410; and Special Topics, 101, 201,
> 301 and 401. Some are not so obvious, such as: Music 32 (University
Orchestra);
> Music 36 (Jazz Ensemble); Music 40, 42, and 43 (University Choir, Collegium
> Musicum-Kings Musicke, and Collegium Musicum-Madrigal Singers) as well as
> Physical Education Courses. We have a number of users of the UMR Swimming
Pool
> that repeatedly sign up for 1 credit hour of Phys Ed 104, Beginning
Aquatics so
> they can use the swimming pool. Usually this is pass/fail.
>
> In studying these issues there should also be consideration of the enrollment
> of graduate students who re-enroll in already completed classes in order to
> satisfy the 9 hour rule for GTA's and GRA's. A number of these students are
> signing up as a "hearer" in classes which they have already completed with
"A"
> and "B" grades in order to have 9 hour schedules.
>
> Some complex issues are involved. Thanks for your help.

Myron Parry

>
>



University of Missouri-Rolla

To:

~~UNR FACULTY~~
Academic Council

Thursday, February 20, 1997

- I. Approval of minutes of the January 16, 1997 meeting
- II. Reports and Responses
 - A. President's Report (To include IFC) (10 min.) Jeff Cawlfeld
 - B. Chancellor's Report (10 min.) John Park
(10 minutes for Questions and Answers)
- III. Reports of Standing and Special Committees
 - A. Admissions and Academic Standards (5 min.) Kurt Kosbar
 - 1.*Dropping and Adding Courses
 - B. Committee for Effective Teaching (10 min.) Lynn Koederitz
 - 1. Student Evaluations
 - 2.*R P & A motion (Greg Gelles)
 - A. Curricula (5 min.) Howard Pyron
 - 1.*Report No. 5
 - B. Personnel (No report) Bruce Selberg
 - 1. Faculty Awards (11-30-95)
 - 2. Faculty Compensation for Video Instruction (12-18-95)
 - 3. Tenure and Promotion Procedures
- IV. Old Business
- V. New Business and Announcements
 - A. Staff Council
 - B. Student Council
 - C. Referrals

*Information distributed with agenda to Academic Council members and department chairs.

Dr. Jeff Cawlfieid asked the admissions and academic standards committee to review UMR's policy on adding, dropping and withdrawing from courses. After consulting with the Registrar's office, the committee voted to recommend the changes listed below. The committee is currently reviewing:

- * Alternatives to the rule that allows students to withdraw from courses for any reason up to the 12th week of the semester.
- * UMR policy of allowing students to repeat any course, even if they have already earned a high grade in the course.

Kurt Kosbar

Recommendation #1

Current UMR Manual of Information Rule IV.1.a

If you wish to add a course to your schedule during the first two weeks (first week of an eight-week summer session) of a semester, you must receive the permission of your adviser and the instructor of the course. After two weeks of a semester (one week of an eight-week summer session) you must receive the permission of your adviser, the instructor of the course, and the chairman of the department teaching the course.

Proposed Rule IV.1.a

If you wish to add a course to your schedule during the first two weeks (first week of an eight-week summer session) of a semester, you must receive the permission of your adviser and the instructor of the course. During the third and fourth weeks (second week of an eight-week summer session) you must receive the permission of your adviser, the instructor of the course, and the chairman of the department teaching the course. Students may not add courses after the fourth week (second week of an eight-week summer session). Exceptions may be granted by the Registrar under unusual circumstances. You have the right to appeal the Registrar's decision by written petition to the Admissions Academic Standards Committee.

Recommendation #2

Current UMR Manual of Information Rule IV.2.b (last sentence only)

.Courses dropped during the first six weeks of a semester (three weeks of an eight-week summer session) will not be recorded on the transcript.

Proposed Rule IV.2.b (last sentence only)

.Courses dropped during the first four weeks of a semester (two weeks of an eight-week summer session) will not be recorded on the transcript.



University of Missouri-Rolla

Academic Council

VOL. XXVI, NO. 5

Minutes of the Academic Council Meeting February 20, 1997

XXVI,5 the meeting was called to order at 1:32 P.M. by President Jeff Cawlfeld, with one substitution noted-Chris Ramsay for Ron Kohser.

.1 It was moved and seconded to approve the minutes of the January 16, 1997 meeting as distributed. Motion carried.

.2 REPORTS AND RESPONSES

A. PRESIDENT'S REPORT-President Cawlfeld reported briefly on a few items of interest.

1. Jeff Cawlfeld, Dennis Parry, and Jerry Tien attended the last IFC meeting.

a.Although there was a great deal of discussion by the IFC on the Common Calendar, there were no major changes.

b.IFC also discussed the Health care issue-about United Health Care taking over GenCare. Participants were advised to check new cards, etc., and to have patience on claims.

2. There were some questions from the floor concerning local providers and whether United Health Care was self-funded by the University. A brief discussion followed.

B. CHANCELLOR'S REPORT-Dr. Park gave a brief report on current issues of interest.

1. On the Strategic Action plan, the Chancellor said it is a related series of things, including the budget plan for next year. He said he's looking for specific suggestions to be discussed at upcoming meetings.

2. Dr. Park discussed preparations for Mission Enhancement, and said that will be the main source of new money.

3. The Chancellor said the 5-Year plan put in place under President George Russell would probably change with a new president.

4. Dr. Park gave the dates of the three remaining meetings on the Strategic Action Plan (March 14, March 31, and April 30), and he stated that there is a need for a serious look at the matter of retention.

5. The Chancellor said a questionnaire is being circulated on Faculty Infrastructure, and he hopes they will be completed.
6. There was some discussion on performance evaluations and the Strategic Plan process. There were also some comments on the legislature's push to encourage attendance at community and technical colleges, and how that would affect the University.

.3 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. ADMISSIONS AND ACADEMIC STANDARDS-Professor Kurt Kosbar presented this report on the two recommendations distributed with the agenda.

1. After a very lengthy discussion, Professor Garnett Walters moved to approve Recommendation #1. There was a second. Professor Lance Haynes moved to postpone action until the April meeting, and to ask Admissions and Academic Standards to provide more information. Professor Dan White seconded the motion. Motion carried, with one opposed.
2. Professor Garnett Walters moved to approve Recommendation #2. There was a second, followed by a lively discussion from both students and faculty members. After lengthy discussion, Professor Greg Gelles called for the question. Vote was taken, and the motion was defeated. Professor Walters suggested to Professor Kosbar the Admissions and Academic Standards Committee look further at this issue.

B. COMMITTEE FOR EFFECTIVE TEACHING-Professor Leonard Koederitz presented this report on the evaluation process, reporting that the committee voted to return to paper CET evaluations and to recommend that the fall 1996 electronic data not be used to select outstanding teaching award recipients.

1. There was quite a bit of discussion and some questions on comparing electronic evaluations with the previous method.
2. Professor Greg Gelles read a motion recommended by the Rules, Procedures, and Agenda Committee, which was distributed with the agenda, concerning use of the electronic evaluations, and more research by the CET on the matter. Professor Garnett Walters seconded the motion. After brief comments by Professor Kosbar and Professor Koederitz, the motion carried 13-7.

C. CURRICULA-Professor Howard Pyron presented this report. He referred to the EC1's presented for information only, and explained that CC4297 was a catalog

change only. He then moved to approve the CC1's as distributed. There was a second and motion carried.

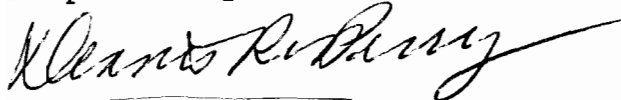
.4 No old business was presented.

.5 NEW BUSINESS

- A. STUDENT COUNCIL-Rich Lee gave this report.
 - 1. Mr. Lee named some plans the Student Council has for "helping to clean up St. Pat's", including SPEC, Diversity, Week, and International Week.
 - 2. Mr. Lee announced the Student Body Presidential Campaign would be from March 3 to March 8. He further stated that this was his last meeting in an official capacity. He was given a round of applause.
- B. LIBRARY-Ms. Jean Eisenmann gave an update on the library renovation.
 - 1. Ms. Eisenmann emphasized that this is not an addition to the library. It is renovation only, partially because of ADA requirements.
 - 2. The Renovation Committee requests input from Faculty, Staff, and students. Ms. Eisenmann said these comments or suggestions may be directed to her or to other representatives to the committee.

There being no further business, the meeting was adjourned at 2:50 P.M.

Respectfully submitted,



Dennis Perry
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.



School of Engineering

Department of Mechanical and Aerospace
Engineering and Engineering Mechanics

Bruce P. Selberg
Professor & Associate Chairman
For Aerospace Engineering
101 Mechanical Engineering Building
1870 Miner Circle
Rolla, MO 65409-0050
Telephone: (573)341-4671
FAX: (573)341-4115
E-mail: bpaul@umr.edu

DRAFT

MEMORANDUM TO: Walt Gajda
Vice Chancellor for Academic Affairs

FROM: Personnel Committee

DATE: February 26, 1997

RE: Recommended Principles for Inclusion in a New Policy Memorandum on
Video and/or Distance Learning

As per your request the Personnel Committee has studied video and/or distance learning. The committee sought and received input from five UMR faculty. This faculty group has had personal experience in all three of the basic areas: video credit courses, non-credit short courses, and live video off-campus teaching. According to these faculty: (1) preparation for video courses requires 2 to 3 times as much effort as compared to an on-campus course; (2) live video off-campus courses require from 2 to 3 times more responding/interacting effort with students outside class; (3) teaching before a camera results in considerably more anxiety initially and requires significant adjustments to one's traditional class room teaching style whether with or without live students; and (4) live video off-campus courses require some unique practices/techniques to develop bonding and encourage interactions. The below recommendations are based on the above five faculty members experience and input.

1. UMR catalog courses taught for credit on the UM network should normally be taught as a part of a regular departmental load. If these courses are presented in front of a regular class by UMR faculty, in addition to being taped or sent to a remote site, then the teaching credit should be double the credit given for a non-video course. In other words a faculty member teaching a three-credit-hour video course, on campus as well as remotely, should be considered as teaching two sections as part of his/her total teaching load if the off-site class size is approximately the same as the on-site class size.



School of Engineering

Department of Mechanical and Aerospace
Engineering and Engineering Mechanics

Bruce P. Seiberg
Professor & Associate Chairman
For Aerospace Engineering
101 Mechanical Engineering Building
1870 Miner Circle
Rolla, MO 65409-0050
Telephone: (573)341-4671
FAX: (573)341-4115
E-mail: bpaul@umr.edu

DRAFT

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2. If the UMR catalog course taught on the UM network is not taught as part of load and is taught for extra compensation and if the course is taught live as well as remotely, the compensation should be for two sections, i.e., 10 percent salary per section.
3. The video course should be counted as part of load, identical to how campus courses would be treated towards tenure and/or promotion including participation in the campus teaching evaluation program.
4. A faculty member preparing tapes for a video credit course should be able to receive yearly compensation for the use of the tapes up to a limit of 10 percent for each offering of the class or use of the tapes.
5. Training sessions should be made available to faculty before they prepare/teach video and/or through distance learning or for use in their normal UMR courses.
6. Non-credit short courses should not be counted as part of the normal teaching load unless full credit across the campus can be given towards tenure and promotion.

With the University of Missouri committing to developing distance learning across the State of Missouri, it is essential that the faculty be willing participants in this program for it to be successful. the faculty will more likely become willing participants if they are treated equitably in terms of credit, load, and extra compensation as outlined above.

University of Missouri-Rolla
Missouri's Technological University



Registrar's Office
1870 Miner Circle
103 Parker Hall
Rolla, MO. 65409-0970
(573) 341-4181

Memo To: Academic Council
From: UMR Curricula Committee
Subject: March 17, 1997, Meeting

For the information of the Academic Council, the following EC1's have been submitted by the University department for an experimental course that will be offered in the near future.

Review of submitted EC1's:

EC1 759, Electrical Engineering 301, *Fuzzy Logic Control*. Approved for FS97. 3 hours credit. Prerequisite: El Eng 231.

EC1 760, Electrical Engineering 301, *Flexible Control of Distribution Systems*. Approved for FS97. 3 hours credit. Prerequisites: El Eng 205 or El Eng 207.

EC1 761, Electrical Engineering 401, *Computational Electromagnetics*. Approved for FS97. 3 hours credit. Prerequisite: El Eng 273.

EC1 763, Geological Engineering 301, *29 CFR OSHA, 1910.120(q) Hazardous Waste Operations & Emergency Response*. Approved for FS97. 1 hour credit. No prerequisites.

EC1 764, Engineering Management 301, *Activity Based Accounting and Financial Decision Making*. Approved for SS97. Vote was three to one. 3 hours credit. No prerequisites:

EC1 765, Civil Engineering 301, *Environmental Law and Regulations*. Approved for SS97. 3 hours credit. No prerequisites. (Co-listed with Env En 301.)

EC1 766, Cv Eng, Environmental Engineering 301, *Environmental Law and Regulations*. Approved for SS97. 3 hours credit. No prerequisites. (Co-listed with Cv Eng 301.)

EC1 767, Chemical Engineering 301, *Environmental Chemodynamics*. Approved for FS97. 3 hours credit. Prerequisites: Ch Eng 141 or equivalent, Ch Eng 231 or equivalent, Ch Eng 233 or equivalent, Ch Eng 005 or Ch Eng 003 and 006 or equivalent.

EC1 768, Mechanical Engineering 301, *Integrated Product Development*. Approved for WS98. 2 hours lecture and 1 hour lab. Prerequisites: Ae Eng 251 or Mc Eng 208 for Design, Mc Eng 213 for Assembly, concurrent with Mc Eng 353 for Manufacturing, and Eng Mg 375 or 385 for Cost/Product support. (Co-listed with Ae Eng and Eng Mg 301.)

EC1 769, Aerospace Engineering 301, *Integrated Product Development*. Approved for WS98. 2 hours lecture and 1 hour lab. Prerequisites: Ae Eng 251 or Mc Eng 208 for Design, Mc Eng 213 for Assembly, concurrent with Mc Eng 353 for Manufacturing, and Eng Mg 375 or 385 for Cost/Product Support. (Co-listed with Mc Eng 301 and Eng Mg 301.)

EC1 770, Engineering Management 301, *Integrated Product Development*. Approved for WS98. 2 hours lecture and 1 hour lab. Prerequisites: Ae Eng 251 or Mc Eng 208 for Design, Mc Eng 213 for Assembly, concurrent with Mc Eng 353 for Manufacturing, and Eng Mg 375 or 385 for Cost/Product Support. (Co-listed with Mc Eng 301 and Ae Eng 301.)

EC1 771, Mining Engineering 301, *Blasting Design and Technology*. Approved for FS97. 2 hours lecture and 1 hour lab. Prerequisite: Mi Eng 307.

The Curricula Committee recommends to the Academic Council that the curricula changes on the following CCI's be approved.

Review of submitted CCI's:

CC1 4300, Chemistry 000, *Bachelor of Science*. Approved change in curriculum for FS97. Students given more literature courses to choose from and reduce substitution/waiver forms.

CC1 4301, Chemistry 000, *Polymer and Coatings Science emphasis area*. Approved change in curriculum for FS97. Students given more literature courses to choose from and reduce substitution/waiver forms.

CC1 4302, Chemistry 000, *Premedicine emphasis area*. Approved change in curriculum for FS97. Students given more literature courses to choose from and reduce substitution/waiver forms.

CC1 4303, Chemistry 000, *Biochemistry emphasis area*. Approved change in curriculum for FS97. Students given more literature courses to choose from and reduce substitution/waiver forms.

CC1 4304, Chemistry 241, *Physical Chemistry*. Approved for FS97. Change in prerequisites from Chem 51 and 52, Math 22, Physics 25 **"TO"** Math 22, Physics 25.

CC1 4305, Metallurgical Engineering 367, *Introduction to Powder Metallurgy*. Approved for FS97. Change in credit hours from 2 hours lecture **"TO"** 2 hours lecture and 1 hour lab. Change in description to: A survey of the powder metallurgy field, from fabrication of powders to finishing operations. Includes all basics of powder metallurgy and many new processes currently used in industry. Also covers design, production, economics and energy concerns. Hands-on laboratory time is included.

CC1 4306, Electrical Engineering 438, *Robust Control System*. Approved new course for FS97. 3 hours credit. Prerequisites: El Eng 435. Description reads: Performance and robustness of multi variable systems, linear fractional transformations, LQG/LTR advanced loop shaping, Youla parameterization, H_{∞} optimal control, mixed H_2 and H_{∞} control, controller synthesis for multiple objective optimal control, linear matrix inequalities theory and case studies.

CC1 4307, Ceramic Engineering 000. Approved curriculum change for FS97. The required course Cr Eng 306 is moved to a different semester in which it should be taught and Econ 121 and Econ 122 are being added as equivalent courses to the sophomore first semester.

CC1 4313, Civil Engineering 101, *Special Topics*. Approved new course for FS97. Variable credit hours. Description reads: This course is designed to give the department an opportunity to test a new course.

CC1 4314, Environmental Engineering 101, *Special Topics*. Approved new course for FS97. Variable credit hours. Description reads: This course is designed to give the department an opportunity to test a new course.

CC1 4315, Environmental Engineering 201, *Special Topics*. Approved new course for FS97. Variable credit hours. Description reads: This course is designed to give the department an opportunity to test a new course.

CC1 4316, Environmental Engineering 301, *Special Topics*. Approved new course for FS97. Variable credit hours. Description reads: This course is designed to give the department an opportunity to test a new course.

CC1 4317, Environmental Engineering 401, *Special Topics*. Approved new course for FS97. Variable credit hours. Description reads: This course is designed to give the department an opportunity to test a new course. (This CC1 was approved by the curricula committee by phone on 2/25/97. At the 1/09/97 meeting, an EC1 for Env Eng 401 was approved without realizing the department had never initiated a CC1 for new course 401. This CC1 was needed in order for 401's to be offered.

CC1 4318, Physics 000. Approved change in curriculum for FS97. Physics majors are now required to take 6 credit hours of 300 level physics courses as electives.

CC1 4319, Engineering Management 256, *Personnel Management*. Approved for FS97. Change in prerequisites from Eng Mg 211 **"TO"** junior standing.

CC1 4320, Engineering Management 313, *Human Relations in Technical Management*. Approved for FS97. Change in prerequisites from Eng Mg 211 or 314; senior or graduate standing **"TO"** Senior or graduate standing.

CC1 4321, Engineering Management 314, *Management for Engineers*. Approved for FS97. Change in prerequisites from Open only to students who have not taken Eng Mg 211 or equivalent **"TO"** Eng Mg 209 or equivalent.

CC1 4322, Engineering Management 317, *Comparative and Multi-National Management*. Approved for FS97. Change in prerequisites from Eng Mg 211 **"TO"** Eng Mg 209.

CC1 4323, Engineering Management 375, *Total Quality Management*. Approved for FS97. Change in prerequisites from Stat 215 **"TO"** Senior or graduate standing.

CC1 4324, Engineering Management 382, *Methods of Industrial Engineering*. Approved for FS97. Change in prerequisites from Stat 213 and 215 **"TO"** Math 229 or equivalent.

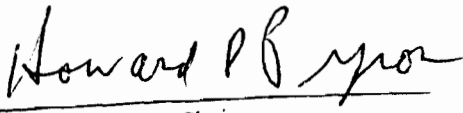
CC1 4325, Engineering Management 408, *Advanced Engineering Economy*. Approved for FS97. Change in prerequisites from Eng Mg 208 or 308 **"TO"** Eng Mg 209 or 308.

CC1 4326, Engineering Management 454, *Advanced Production Management*. Approved for FS97. Change in prerequisites from Eng Mg 314, Cmp Sc 73, Stat 215 **"TO"** Senior or graduate standing and advanced mathematical modeling competence.

CC1 4327, Engineering Management 475, *Quality Engineering*. Approved for FS97. Change in prerequisites from Stat 213 **"TO"** Eng Mg 375 and Math 229 or equivalent.

CC1 4328, Engineering Management 476, *Advanced Engineering Management Science*. Approved for FS97. Change in prerequisites from Stat 215, Cmp Sc 260 or 376 **"TO"** Eng Mg 382 or graduate standing.

CC1 4329, Computer Science 317, *Intellectual Property for Computer Scientists*. Approved for FS97. Change in course number **"FROM"** 217. Change in title from *Computers and the Law*. Change in prerequisites from Junior standing **"TO"** Senior or graduate standing. Change in description to: A presentation of the relationship between the law of intellectual property and computer science. Topics include the application of copyright principles to computer programs, protection of computer programs through patents and trade secret law, and the effect of various agreements which are frequently encountered by the computer.


Howard D. Pyron, Chair

Date: Tue, 18 Mar 1997 11:08:12 -0600 (CST)

To: WESTPHAL@novell.civil.umn.edu, gbert@umn.edu, gelles@umn.edu,
hpyron@umn.edu, bpaul@umn.edu, shobson@umn.edu, dperry@umn.edu,
tien@umn.edu, rclee@umn.edu

Xn: jdc@umn.edu (Jeff Cawlfeld)

Subject: medical

Sorry folks -- I think I just sent a blank message to you all prior to this one

I have been hearing rumors and such concerning a problem between the physicians in town and United Healthcare. Have you guys heard any of this?

Apparently the physicians in the Rolla area have an organization called Meramec Region Physicians or something, and they are very upset with United Healthcare (actually Gencare, which is now part of UHC). I have heard from one of the local physicians that the Meramec region group voted not to renew their contract, and UHC is threatening to pull the PHP contract here. I may have this all screwed up, but I was wondering if any of you had heard anything.

Bruce, if you especially, because of your position as a Health Benefits guru, might investigate this a little, I would appreciate it. The physician who called me would prefer to remain unknown (because of a gag order imposed), but he suggested called the Meramec Health System folks to get the straight scoop.

Jeff

Date: Thu, 27 Mar 1997 08:12:37 -0600
To: gajda@ee.umr.edu
From: Jeff Cawlfeld <jdc@umr.edu>
Subject: Draft policy on Instructional Computing Fees

Walt:

At the last IFC meeting, Susan Feigenbaum distributed a draft policy concerning the distribution of Instructional Computing Fee funds. She has asked that we solicit comments from colleagues on our campuses. Besides yourself, and the RP&A members that I am copying with this email, who else at UMR should I contact regarding this matter? I guess there is a Computer Policy Committee -- they should receive a copy? Any suggestions?

The draft IFC documents follows:

The IFC recognizes the central importance of the Instructional Computing Fee as a source of financial support for the integration of computing into the curriculum. As such, it reaffirms that such fees should be directed towards support of

- equipment and staffing of General Access Labs which are accessible to all students;

- equipment and staffing of limited access labs that directly service course needs;

- such non-lab facilities as dial-in access and maintenance of the virtual lity classroom;

- specialized personnel support (teaching/lab assistants) required to integrate computing into courses;

- instructional seminars on computer education uses;

- course-specific hardware, software and databases.

Such fees should NOT be used to


- replace services and maintenance currently funded through the regular budget;

- support faculty research;

- provide computers or software for faculty, advising or other administrative use.

In order to promote these ends, the IFC strongly recommends that each campus develop an explicit mechanism by which a portion of the instructional computing fees be distributed to meet specific instructional needs. Such mechanisms should include

- distribution of a portion of the ICF to the unit whose students generate the fee in order to meet the specialized needs of those students;

-  distribution of a portion of the ICF based on a competitive proposal process, where submissions will be accepted from unit heads, individual faculty, and other designated parties involved in instructional computing.

Accounting for funds allocated via the above mechanisms must provide a clear record of how the funds were spent. Units must report on their ICF expenditures in order to receive their subsequent year's allocation. Unexpended funds may be carried over to the next fiscal year if the unit has an approved multiyear proposal.

Please send comments, or suggestions, to me or the other IFC members from UMR -- Greg Gelles and Bruce Selberg.



School of Engineering

Department of Mechanical and Aerospace
Engineering and Engineering Mechanics

Bruce P. Selberg
Professor & Associate Chairman
For Aerospace Engineering
101 Mechanical Engineering Building
1870 Miner Circle
Rolla, MO 65409-0050
Telephone: (573)341-4671
FAX: (573)341-4115
E-mail: bpaul@umr.edu

MEMORANDUM TO: Walt Gajda
Vice Chancellor for Academic Affairs

FROM: Personnel Committee

DATE: April 14, 1997

RE: Personnel Committee Report

Attached is a draft of a memorandum which will be presented at the April, 1997 Academic Council meeting for approval.

cc: Jeff Cawlfeld
Shirley Hobson \

2. If the UMR catalog course taught on the UM network is not taught as part of load and is taught for extra compensation and if the course is taught live as well as remotely, the compensation should be for two sections, i.e., 10 percent salary per section.
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5. Training sessions should be made available to faculty before they prepare/teach video and/or through distance learning or for use in their normal UMR courses.
6. Non-credit short courses should not be counted as part of the normal teaching load unless full credit across the campus can be given towards tenure and promotion.

With the University of Missouri committing to developing distance learning across the State of Missouri, it is essential that the faculty be willing participants in this program for it to be successful. the faculty will more likely become willing participants if they are treated equitably in terms of credit, load, and extra compensation as outlined above.

University of Missouri-Rolla
Missouri's Technological University



Registrar's Office
103 Parker Hall
1870 Miner Circle
Rolla, MO. 65409-0970
(573) 341-4181

Memo To: Academic Council
From: UMR Curricula Committee
Subject: April 14, 1997, Meeting

For the information of the Academic Council, the following EC1's have been submitted by the University department for an experimental course that will be offered in the near future.

Submitted EC1's:

EC1 772, Bas En 301, *Introduction to Solar Car Design*. Approved for FS97. (Co-list with Eng Mg, Cv Eng, and El Eng.) 3 hours credit. Prerequisites: Bas En 50 or 140, Math 204 or 229.

EC1 773, Ch Eng 301, *Pollution Prevention via Process Engineering*. Approved for WS98. 3 hours credit. No prerequisites.

EC1 774, Cv Eng 401, *Stochastic Theory of Structural Vibration*. Approved for FS97. 3 hours credit. Prerequisites: Cv Eng 424 and Math 204 or equivalent.

EC1 775, Cv Eng 301, *Intermediate Engineering Hydrology*. Approved for FS97. 3 hours credit. Prerequisite: Cv Eng 233.

EC1 776, Cv Eng 301, *Low-Rise Building Design for Wind and Seismic Forces*. Approved for FS97. 2 hours lecture and 1 hour lab. Prerequisites: Cv Eng 221 or Cv Eng 223.

EC1 777, Cv Eng 401, *Advanced Behavior of Reinforced and Prestressed Concrete*. Approved for FS97. 3 hours credit. Prerequisites: Cv Eng 223 with grade of "C" or better.

EC1 778, Ae Eng 401, *Unsteady Fluid Dynamics*. Approved for FS97. (Co-list with Mc Eng 401.) 3 hours credit. Prerequisites: Mc Eng 331 or Ae Eng 331 or Ae Eng 271.

EC1 779, Mc Eng 401, *Unsteady Fluid Dynamics*. Approved for FS97. (Co-list with Ae Eng.) 3 hours credit. Prerequisites: Mc Eng 331 or Ae Eng 331 or Ae Eng 271.

EC1 780, Phil 301, *Metaphysics*. Approved for WS98. 3 hours credit. Prerequisites: Any philosophy course.

EC1 781, Cv Eng 301, *Introduction to Solar Car Design*. Approved for FS97. (Co-list with Bas En, Eng Mg, and El Eng.) 3 hours credit. Prerequisites: Bas En 50 or Bas En 140, Math 204 or Math 229.

EC1 782, Cmp Sc 301, *Java & Distributed Applications*. Approved for SS97. 3 hours credit. Prerequisites: Programming in “C” or “C+.”

EC1 783, Eng Mg 301, *Introduction to Solar Car Design*, Approved for FS97. (Co-list with Bas Eng, Cv Eng, and El Eng.) 3 hours credit. Prerequisites: Bas En 50 or 140, Math 204 or 229.

EC1 784, Eng Mg 301, *Activity Based Accounting and Financial Decision Making*. Approved for FS97. 3 hours credit. No prerequisites.

EC1 785, El Eng 301, *Introduction to Solar Car Design*. Approved for FS97. (Co-list with Bas En, Eng Mg, and Cv Eng.) 3 hours credit. Prerequisites: Bas En 50 or 140, Math 204 or 229.

The Curricula Committee recommends to the Academic Council that the curricula changes on the following CC1's be approved.

CC1 4308, Ae Eng 000. Removed from table. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Aerospace Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination score. *This score may be placed on the student's university transcript.* **The footnote was approved excluding the last sentence in italics.** The committee stated, “Inappropriate to record a score on an official transcript over which we neither administer nor control.

CC1 4309, Ch Eng 000. Removed from table. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Chemical Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination score. *This score may be placed on the student's university transcript.* **The footnote was approved excluding the last sentence in italics.** The committee stated, “Inappropriate to record a score on an official transcript over which we neither administer nor control.

CC1 4310, El Eng 000. Removed from table. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Electrical Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination score. *This score may be placed on the student's university transcript.* **The footnote was approved excluding the last sentence in italics.** The committee stated, “Inappropriate to record a score on an official transcript over which we neither administer nor control.

CC1 4311, Eng Mg 000. Removed from table. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Engineering Management students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this

catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination score. *This score may be placed on the student's university transcript.* **The footnote was approved excluding the last sentence in italics.** The committee stated, "Inappropriate to record a score on an official transcript over which we neither administer nor control.

CC1 4312, Mc Eng 000. Removed from table. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Mechanical Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination score. *This score may be placed on the student's university transcript.* **The footnote was approved excluding the last sentence in italics.** The committee stated, "Inappropriate to record a score on an official transcript over which we neither administer nor control.

CC1 4330, Civil Engineering 000. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Civil Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination score. *This score may be placed on the student's university transcript.* **The footnote was approved excluding the last sentence in italics.** The committee stated, "Inappropriate to record a score on an official transcript over which we neither administer nor control.

CC1 4331, Computer Science 308, *Object-Oriented Analysis and Design*. Approved for WS98. Change in course title from, "*Object-Oriented Programming*." Change in description to: This course will explore principles, mechanisms, and methodologies in object-oriented analysis and design. An object-oriented programming language will be used as the vehicle for the exploration.

CC1 4332, Computer Science 307, *Software Testing and Quality Assurance*. Approved new course for WS98. 3 hours credit. Prerequisite: Cmp Sc 253. Description reads: It covers unit testing, subsystem testing, system testing, object-oriented testing, testing specification, test case management, software quality factors and criteria, software quality requirement analysis and specification, software process improvement, and software total quality management.

CC1 4333, Basic Engineering 301, *Special Topics*. Approved new course for FS97. Variable hours credit. No prerequisites. Description reads: This course is designed to give the department the opportunity to test a new course. Variable title.

CC1 4334, Electrical Engineering 431, *Linear Control Systems*. Approved for FS97. Change in course title from, "*Modern Control Theory I*." Change in course number from, "435." Change in description to: Review of linear algebra, state variable formulations, solutions of state equations; controllability and observability; multivariable systems, matrix-fraction decompositions; design of state and output feedback controllers and observers; introduction to calculus of variations; linear quadratic regulators. ("or instructor's approval" was removed as a prerequisite as this is an understood condition for all prerequisites.)

CC1 4335, Electrical Engineering 432, *Optimal Control and Estimation*. Approved for FS97. Change in course title from, "*Modern Control Theory II*." Change in course number from, "437." Change in prerequisites from El Eng 435 **"TO"** El Eng 431. Change in description reads: Review of linear quadratic regulators (LQR), LQR extensions; constrained optimization (Pontryagin's minimum principle); review of probability theory and random processes; optimal prediction and filters; frequency domain properties of LQR and Kalman filters; linear quadratic Gaussian (LQG) control; model uncertainties, frequency shaping, LQG/LTR design methodology.

CC1 4336, Electrical Engineering 434, *Nonlinear Control System*. Approved for FS97. Change in course title from, *Stability of Nonlinear Systems*. Change in course number from "431." Change in prerequisites from El Eng 231 **"TO"** El Eng 431. Change in description which reads: Numerical solution methods, describing function analysis, direct and indirect methods of Liapunov stability, applications to the Lure problem - Popov circle criterion. Applications to system design and feedback linearizations.

CC1 4337, Electrical Engineering 439, *Optimal Control of Large Scale Systems*. Approved for FS97. Deletion of course.

CC1 4338, Mechanical Engineering 000. Approved curriculum change for FS97. Justification reads: Several corrections and clarifications are being made to the Mechanical Engineering curriculum and the Manufacturing Processes emphasis area curriculum. None of the changes modify existing policy.

CC1 4339, Mechanical Engineering 253, *Manufacturing*. Approved for FS97. Change in prerequisites from Mc Eng 153, 161 **"TO"** Mc Eng 153, and a grade of "C" or better in Bas En 110.

CC1 4340, Mechanical Engineering 308, *Rapid Product Design and Optimization*. Approved for FS97. Change in course title from *Optimal Design of Mechanical Systems*. Change in description to: Product Life cycle design; finding design solutions using optimization technique; rapid product realization using rapid prototyping and virtual prototyping techniques.

CC1 4341, Mechanical Engineering 311, *Introduction to Continuum Mechanics*. Approved new course for FS97. 3 hours credit. Prerequisites: Bas En 110, Math 204. Description reads: Introductory cartesian tensor analysis to aid in the development of the theory of a continuum. Kinematics of deformation, stress tensor, equations of motion, equations of mass and energy balance. Examples from specific material theories in solid and fluid mechanics. (Co-listed with E Mech 311.)

CC1 4342, Engineering Mechanics 311, *Introduction to Continuum Mechanics*. Approved new course for FS97. 3 hours credit. Prerequisites: Bas En 110, Math 204. Description reads: Introductory cartesian tensor analysis to aid in the development of the theory of a continuum. Kinematics of deformation, stress tensor, equations of motion, equations of mass and energy balance. Examples from specific material theories in solid and fluid mechanics. (Co-listed with Mc Eng 311.)

CC1 4343, Aerospace Engineering 000. Approved curriculum change for FS97. Justification reads: The modification to the note in the catalog is to ensure that students be admitted into the department, not just take the classes, before graduation.

CC1 4344, Mechanical Engineering 000. Approved curriculum change for FS97. Justification reads: The modification to the note in the catalog is to ensure that students be admitted into the department, not just take the classes, before graduation.

CC1 4345, Chemistry 355, *Instrumental Methods of Chemical Analysis*. Approved for FS97. Change in prerequisites from Preceded or accompanied by Chem 4 or an equivalent training program approved by UMR **"TO"** Chem 4, Chem 52, Chem 223, and Chem 243. Change in description which reads: Principles and analytical applications of molecular spectroscopy, chromatographic separations, mass spectrometry, and radiochemistry. A brief overview of instrument electronics, signal generation and processing, and automated analysis is also provided.

CC1 4346, Environmental Engineering 400, *Special Problems*. Approved new course for FS97. 3 hours credit. Prerequisites: Consent of instructor required. Description reads: Problems or readings on specific subjects or projects in environmental engineering.

CC1 4347, Mining Engineering 000. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Mining Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination Score.

CC1 4348, Geological Engineering 000. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Geological Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination Score.

CC1 4349, Metallurgical Engineering 000. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Metallurgical Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination Score.

CC1 4350, Mining Engineering 000. Approved change in curriculum for FS97. Justification reads: a) Allow students to take Technical Writing earlier in the program (sophomore instead of senior.) B) More accurately list courses as they are offered. C) To list emphasis areas separately for clarity. Also approved was a new emphasis area, *Explosives Engineering Emphasis Area* effective FS97, which was included with CC1 4350. The committee approved this new emphasis area with the recommendation to Mining to submit a separate CC1 form to attach to the new Explosives Engineering Emphasis Area for a clearer reference.

CC1 4351, Ceramic Engineering 000. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Ceramic Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination Score.

CC1 4352, Petroleum Engineering 000. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Petroleum Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination Score.

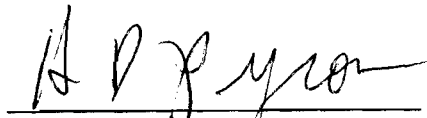
CC1 4353, Nuclear Engineering 000. Approved curriculum change for FS97. The Fundamentals of Engineering Exam will be added as a footnote in the curriculum which reads: All Nuclear Engineering students must take the Fundamentals of Engineering Examination prior to graduation. A passing grade on this examination is not required to earn a B.S. degree, however, it is the first step toward becoming a registered professional engineer. This requirement is part of the UMR assessment process as described in Assessment Requirements found elsewhere in this catalog. Students must sign a release form giving the University access to their Fundamentals of Engineering Examination Score.

CC1 4358, Environmental Engineering 300, *Special Problems*. Approved new course for SS97. Variable hours credit. Prerequisites: Consent of the instructor required. Description reads: Problems or readings on specific subjects or projects in the department.

CC1 4359, Environmental Engineering 301, *Special Topics*. Approved new course for SS97. Variable hours credit. No prerequisites. Description reads: This course is designed to give the department an opportunity to test a new course.

CC1 4360, Environmental Engineering 400, *Special Problems*. Approved new course for SS97. Variable hours credit. Prerequisites: Consent of the instructor required. Description reads: Problems or readings on specific subjects or projects in the department.

CC1 4361, Environmental Engineering 401, *Special Topics*. Approved new course for SS97. Variable hours credit. No prerequisites. Description reads: This course is designed to give the department an opportunity to test a new course.



Howard D. Pyron, Chair



University of Missouri-Rolla
Academic Council

To: UMR Faculty

Thursday, April 24, 1997; 1:30 P.M.; 204 McNutt

- I. Approval of minutes of the February 20, 1997 meeting
- II. Reports and Responses
 - A. President's Report (To include IFC) (10 min.) Jeff Cawlfeld
 - B. Chancellor's Report (10 min.) John Park
(10 minutes for Questions and Answers)
- III. Reports of Standing and Special Committees
 - A. Admissions and Academic Standards (No report) Kurt Kosbar
 - 1. Dropping and Adding Courses (1-97)
 - 2. 7:30 A.M. Finals (4-97)
 - 3. "Dead Week" or "Dead Days" (4-97)
 - B. Curricula
 - 1. *Report No. 6 & 7 (10 min.) Howard Pyron
 - C. Personnel (10 min.) Bruce Selberg
 - 1. Faculty Awards (11-30-95)
 - 2. Faculty Compensation for Video Instruction (12-18-95)
 - 3. Tenure and Promotion Procedures
 - 4. Administrative Review Procedures
- IV. Old Business
- V. New Business and Announcements
 - A. Staff Council
 - B. Student Council
 - C. Referrals

*Information distributed with agenda to Academic Council members and department chairs.



University of Missouri-Rolla
Academic Council

VOL. XXVI, NO. 6
Minutes of the Academic Council Meeting
April 24, 1997

XXVI,6. The meeting was called to order at 1:32 P.M. by President Jeff Cawlfeld. There were not substitutions noted.

.1 It was moved and seconded to approve the minutes of the February 20, 1997 meeting as distributed. Motion carried.

.2 REPORTS AND RESPONSES

A. PRESIDENT'S REPORT-Professor Cawlfeld gave a brief report from recent IFC meetings, and the items that were discussed.

1. Faculty Grievance Procedures
2. Students' Computing Fee Policy
3. Common Calendar-President Cawlfeld said another committee is being formed to work on this. There was some discussion and questions from the floor.
4. Non-discrimination Policy, especially concerning sexual orientation. There was a comment from the floor concerning compliance with Federal guidelines.

B. CHANCELLOR'S REPORT-Dr. Park gave a brief report from the recent General Officers' Meeting. He said the discussion had centered on Mission and Mission Enhancement. He elaborated somewhat on this, and then stated that a planning meeting on the Strategic Action Plan would be held in the future.

.3 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. CURRICULA-Professor Howard Pyron gave both the March and April reports. He presented the EC1's for information only. He then called attention to the CC1's containing statements that Senior Assessment scores may be placed on the students' university transcript, and the committee's proposal to remove those sections in italics. He then moved to approve the CC1's as presented by the committee, including the deletion. There was a second, followed by a fairly lengthy discussion. Vote was then taken, and motion carried.


.4 No old business was presented.

.5 NEW BUSINESS

A. STUDENT COUNCIL-Lucy Knaup introduced their new officers and gave a brief update on recent and planned activities. Dr. Park commented on the impressive involvement of the students in worthwhile activities.

There being no further business, the meeting was adjourned at 2:00 P.M.

Respectfully Submitted,



Dennis Perry
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.

University of Missouri-Rolla
Missouri's Technological University



Registrar's Office
103 Parker Hall
1870 Miner Circle
Rolla, MO. 65409-0970
(573) 341-4181

Memo To: Academic Council
From: UMR Curricula Committee
Subject: May 12, 1997, Meeting

For the information of the Academic Council, the following EC1's have been submitted by the University department for an experimental course that will be offered in the near future.

Submitted EC1's:

EC1 786, Phil&LA, Education 301, *Current Issues in Education: Performance-based Assessment*. Approved for SS97. 3 hours credit. Prerequisites: Graduate standing.

EC1 787, Phil&LA, Education 301, *Performance-Based Instruction and Assessment*. Approved for SS97. 3 hours credit. Prerequisites: Graduate standing.

EC1 788, Phil&LA, Education 301, *Conflict Resolution for Educators & School Administrators*. Approved for SS97. 3 hours credit. Prerequisites: Graduate standing.

EC1 789, Phil&LA, Education 301, *Advanced Adolescent Development*. Approved for SS97. 3 hours credit. Prerequisite: Graduate standing.

EC1 790, Phil&LA, Education 301, *Integrating Technology in Education*. Approved for SS97. 3 hours credit. Prerequisite: Graduate standing.

EC1 791, Phil&LA, Education 301, *Internet Resources*. Approved for SS97. 1 hour credit. Prerequisite: Graduate standing.

EC1 792, Geology 301, *Paleoecology*. Approved for WS98. 3 hours credit. Prerequisites: Geol 227.

EC1 793, Phil&LA, Education 301, *Computer Programming C++*. Approved for SS97. 1 hour credit. Prerequisite: Graduate standing.

EC1 794, Stat 301, *Making Sense of Data for Elementary School Teachers*. Approved for SS97. 3 hours credit. No prerequisite.

EC1 795, Stat 301, *Making Sense of Data, for Middle School Teachers*. Approved for SS97. 3 hours credit. No prerequisite.

The Curricula Committee recommends to the Academic Council that the curricula changes on the following CCI's be approved.

Submitted CCI's:

CC1 4354, Geology 437, *Advanced Palynology*. Approved new course for WS98. 1 hour lecture and 2 hour lab. Prerequisites: Geol 223 or Geol 329. Description reads: Study of the processes of sporopollenin preservation, sedimentation and palynofacies. Major emphasis on independent palynostratigraphic research. Chronicle of Phaneozoic palynology in lectures.

CC1 4355, Electrical Engineering 000, *Proposed Bachelor's Degree Program in Computer Engineering*. Approved for WS98. 2 votes for - 1 opposed.

CC1 4356, Electrical Engineering 000, *Proposed Master's Degree Program in Computer Engineering*. Approved for WS98. 2 votes for - 1 opposed.

CC1 4357, Electrical Engineering 000, *Proposed Doctor of Philosophy Degree Program in Computer Engineering*. Approved for WS98. 2 votes for - 1 opposed.

CC1 4362, Philosophy & Liberal Arts, Speech & Media Studies 235, *Intercultural Communication*. Approved for FS97. Change in prerequisites from Sp&MS 85 **"TO"** SP&MS 150 or 181 or equivalent. ("Consent of Instructor" was deleted as part of the prerequisite as this is an understood prerequisite.)

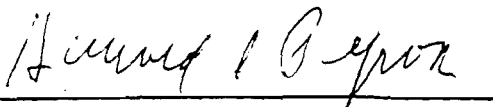
CC1 4363, Philosophy & Liberal Arts, Speech & Media Studies 255, *Discussion and Conference Methods*. Approved for FS97. Change in prerequisites from Sp&MS 85 **"TO"** SP&MS 150 or 181 or equivalent. ("Consent of Instructor" was deleted as part of the prerequisite as this is an understood prerequisite.)

CC1 4364, Electrical Engineering 305, *Electric Drive Systems*. Approved for FS97. Change in course title from *"Alternating Current Machines."* Change in description to: Course content is roughly 1/3 power electronics, 1/3 applied control and 1/3 electric machinery and focuses on analysis, simulation, and control design of electric drive based speed, torque, and position control systems. Change in prerequisites from El Eng 205 **"TO"** El Eng 205/El Eng 204 and El Eng 231 or equivalent.

CC1 4365, Chemical Engineering, Biochemical Processing Emphasis Area. Approved curriculum change for FS97. Students are now given an option of taking either FORTRAN or C++ Programming.

CC1 4366, Chemical Engineering. Approved change in curriculum for FS97. Students are now given an option of taking either FORTRAN or C++ Programming.

CC1 4368, Computer Science 384, *Distributed Operating Systems*. Approved for FS97. Change in course title from *"Array Formalisms for Massively Parallel High Performance Computing"*. Change in prerequisites from Cmp Sc 228, 253, 284 **"TO"** Cmp Sc 284 and 253. Change in description to: This is a study of modern operating systems, particularly distributed operating systems. Topics include a review of network systems and interprocess communication, causality, distributed state maintenance, failure detection, reconfiguration and recovery, load balancing, distributed file systems, distributed mutual exclusion, and stable property detection including deadlock detection. A group project in Distributed Systems Programming will be required.



Howard D. Pyron, Chair



Office of Student Activities and University Center

Bill Wilson
Student Services Coordinator
218 University Center-West
Rolla, MO 65409-0770
Telephone (573) 341-428
FAX (573) 341-6026
E-Mail: billw@shuttle.cc.umr.edu

May 14, 1997

To: Academic Council

From: Student Affairs Committee

Re: Student Publications/Media Board

At the Student Publications/Media Board meeting on Wednesday, October 23, 1996 a resolution was passed which reads, "The Publications/Media Board reaffirms the First Amendment rights of student media and reaffirms that the constitutions of student media groups be approved solely by the Publications/Media Board." This is an issue which has been a topic of discussion since the Student Publications/Media Board meeting on May 1, 1996. At that meeting, an amendment to the Missouri Miner constitution was under discussion. It was pointed out that it was fine for the Board to approve it, but that it would then have to be approved by Academic Council, the Student Affairs Committee, or their designated representative. The Student Publications/Media Board was concerned that this would infringe on the papers First Amendment Rights. An attempt was made to explain to the Student Publications/Media Board that this was not the case.

The only charge that the Student Publications/Media Board has is stated in Article I Section 2 and reads, "The purpose of this board shall be to exercise supervision over the personnel of student media groups and to help maintain the best standards of collegiate journalism and communications in student media." They have overstepped their charge. The University Board of Curators Policy clearly establishes the recognition process for all student organizations and it places the responsibility on the Student Affairs Committee and Academic Council. Any change in this policy should come from the Curators or the power be assigned by the Academic Council. Therefore, after lengthy discussion, the Student Affairs Committee would like to recommend that the Academic Council pass the resolution below:

The Academic Council reaffirms that they are the body to which the responsibility falls for recognizing all student organizations and that all Recognized Student Organizations (RSO's) are required to abide by certain university policy and procedures in order to maintain their recognized status (failure to do so may result in any RSO losing their status and all of the associated privileges). Specifically that the Academic Council is responsible for recognizing those organizations currently classified as Media/Publications organizations (KMNR Radio Station, Missouri Miner, Rollamo and Southwinds).

These policy and procedures include, but are not limited to: maintaining a current copy of their constitution with the Office of Student Activities & University Center (amendments that change the objectives of the organization must be approved by the Student Affairs Committee of the Academic Council, or their designee; other changes can be approved by the Office of Student Activities & University Center staff), each officer of an RSO must be enrolled in a minimum of six (6) class hours per semester, RSO's must maintain an advisor who is a full-time (75% FTE) faculty or professional staff member of UMR and RSO officers must have earned at least a 2.0 GPA in the prior full semester.

This is not an effort by the Academic Council to effect editorial decisions, but to fairly and consistently apply Board policy to all Recognized Student Organizations.

None of the above procedures infringe on a media group's editorial or First Amendment rights; these procedures deal with basic organization structure. Thank you for your time and consideration.



Libertarians of UMR Constitution

1. The name of this organization is Libertarians of UMR, and it is represented by the Statue of Liberty.
2. The objectives of this organization are
 3. To actively promote the libertarian political philosophy.
 4. To provide organization for the discussion of political, social, and economic issues.
5. Membership
 6. Membership Qualifications: This organization is open to any UMR student, staff member, or faculty member who meets the University's requirements for extracurricular activities.
 7. Membership Classifications: Regular membership is reserved for UMR students, while associate membership is available for staff and faculty. Alumni may participate in the organization as honorary members.
 8. Dropping Members: Members exhibiting behavior deemed detrimental to the organization or participating in activities not allowed by University, local, state, or federal laws will be dropped from the organization. A special quorum of 2/3 voting members and 2 officers is required for the vote to drop the member. The vote requires a majority. Once a motion and second have been made, a special meeting will be scheduled and announced to allow the member in question time to prepare a defense which will be presented at the following meeting. Following a question and answer series, the organization will have a discussion pertaining to the member in question. Then the member in question will return and all voting members will vote by secret ballot.
 9. Rights and Privileges: All regular members not on probationary status have the right to participate in all discussions, to vote, and to hold office. Honorary and associate members have the right to participate in discussions. Probationary status is imposed when a member misses (unexcused) two consecutive regular meetings and is removed at the end of the second consecutive attendance. Probationary status results only in the loss of the right to vote. Only members not on probation are considered voting members. In order to get an excused absence, a member must notify an officer prior to the meeting. Only two absences will be excused per semester.

The divisional units will discuss the Action Items that involve the faculty, staff and students with regard to the responsibilities of that particular unit. These discussions should focus on whether all the recommendations can be implemented with existing resources, recognizing the very real ongoing responsibilities for maintaining the quality of programs already in place.

The Chancellor's Staff Group will meet in July to review and compile the Action Item recommendations for inclusion in UMR's Strategic Action Plan for FY98.

Thank you for your efforts on behalf of the University of Missouri-Rolla.

JTP:chg
Attachments

Proposed by: _____

INITIATIVE _____
GOAL _____

PROPOSED ACTION ITEM FY98
(Continuous Improvement Item)

ACTION ITEM TITLE (max. 2 lines):

ABSTRACT OF ACTION ITEM:

In addition to the one proposing this Action Item, who will be responsible for accomplishing the Action Item?

Names:

Who else is volunteering to do the work involved?

Names:

Funding approval:

Who approves funding, if required:

DUE TO UNIT - JUNE 7

Department/Unit Recommendation:

Please highlight revisions.

DUE TO DEAN/VICE CHANCELLORS' OFFICE - JUNE 15

Dean/Vice Chancellor's Recommendation:

Please highlight revisions (attach to the top):

DUE TO CHANCELLOR'S OFFICE - JULY 1

Chancellor's Staff Group Recommendation:



Office of Student Activities and University Center

Bill Wils
Student Services Coordinator
218 University Center-W
Rolla, MO 65409-07
Telephone (573) 341-42
FAX (573) 341-60
E-Mail: billw@shuttle.cc.umsr.edu

May 28, 1997

To: UMR Academic Council

From: Bill Wilson
Student Services Coordinator

Re: **Student Affairs Committee Report For June 19, 1997 Academic Council Meeting**

The Student Affairs Committee met at 1:30 p.m. on Friday, April 18, 1997. The meeting resulted in the following actions/recommendations being made

1. Recommended the acceptance of the Libertarians of UMR Constitution by the Academic Council.
2. Recommended the approval of the attached resolution by the Academic Council.

Please call me at 341-4286 (email billw@shuttle.cc.umsr.edu) if you need any more information. Thank you for your help.

Attachments: Libertarians of UMR Constitution
Student Publications/Media Board Memo




School of Engineering

Department of Mechanical and Aerospace
Engineering and Engineering Mechanics

Bruce P. Selberg
Professor & Associate Chairman
For Aerospace Engineering
101 Mechanical Engineering Building
1870 Miner Circle
Rolla, MO 65409-0050
Telephone: (573)341-4671
FAX: (573)341-6899
E-mail: bpaul@umr.edu

MEMORANDUM TO: Walt Gajda
Vice Chancellor for Academic Affairs

FROM: Bruce Selberg 
Chair of Personnel Committee

DATE: June, 23, 1997

RE: Recommended Principles for Inclusion in a New Policy Memorandum on
Video and/or Distance Learning

As per your request the Personnel Committee has studied video and/or distance learning. The committee sought and received input from five UMR faculty. This faculty group has had personal experience in all three of the basic areas; video credit courses, non-credit short courses, and live video off-campus teaching. According to these faculty: (1) preparation for video courses requires 2 to 3 times as much effort as compared to an on-campus course; (2) live video off-campus courses require from 2 to 3 times more responding/interacting effort with students outside class; (3) teaching before a camera results in considerably more anxiety initially and requires significant adjustments to one's traditional class room teaching style whether with or without live students; and (4) live video off-campus courses require some unique practices/techniques to develop bonding and encourage interactions. The below recommendations are based on the above five faculty members experience and input and were APPROVED by the Academic Council on June 19, 1997.

1. UMR catalog courses taught for credit on the UM network should normally be taught as a part of a regular departmental load. If these courses are presented in front of a regular class by UMR faculty, in addition to being taped or sent to a remote site, then the teaching credit should be double the credit given for a non-video course. In other words a faculty member teaching a three-credit-hour video course, on campus as well as remotely, should be considered as teaching two sections as part of his/her total teaching load if the off-site class size is approximately the same as the on-site class size.

2. If the UMR catalog course taught on the UM network is not taught as part of load and is taught for extra compensation and if the course is taught live as well as remotely, the compensation should be for two sections, i.e., 10 percent salary per section.
3. The video course should be counted as part of load, identical to how campus courses would be treated towards tenure and/or promotion including participation in the campus teaching evaluation program.
4. A faculty member preparing tapes for a video credit course should be able to receive yearly compensation for the use of the tapes by another person up to a limit of 10 percent of the income for each offering of the class or use of the tapes.
5. Training sessions should be made available to faculty before they prepare/teach video and/or through distance learning or for use in their normal UMR courses.
6. Non-credit short courses should not be counted as part of the normal teaching load unless full credit across the campus can be given towards tenure and promotion.

With the University of Missouri committing to developing distance learning across the State of Missouri, it is essential that the faculty be willing participants in this program for it to be successful. the faculty will more likely become willing participants if they are treated equitably in terms of credit, load, and extra compensation as outlined above.



1

UNIVERSITY OF MISSOURI-COLUMBIA

College of Engineering
Department of Mechanical and
Aerospace EngineeringE2411 Engineering Bldg. East
Columbia, MO 65211
Telephone: (573) 882-2785
Fax [573] 884-5090

4 June 97

TO: Dennis Sentilles, Chair, Faculty Council

FROM: John B. Miles, Chair, ad hoc Retirement Plan Committee

RE: Forwarding of Retirement Plan Enhancement Document

The ad hoc Committee met on June 4th and reviewed the draft enhancement plan document dated 20 May 97. The only change suggested was one by Mike Paden; specifically, he suggested replacing "salary and wage budget" by "pension eligible salary base", at two locations in the document. The committee concurred with this change. The modified draft, now dated 4 June 97, together with the original 3 attachments is enclosed.

Inasmuch as you served on this ad hoc Committee, you are fully aware of our implementation strategy. However, I will restate it for completeness and for the benefit of others yet to be involved. We propose that this document be presented to the Faculty Council Executive Committee at its 19 June 97 meeting. I will appear to discuss the document if you wish, although Executive Committee members Al Hahn, Mary Ellen Sievert, Bob Almony, and you served on the ad hoc Committee. Following the hoped-for Executive Committee endorsement, we suggest bringing it to the full Council for discussion at its 26 June 97 meeting and for action at the next meeting. I have asked all those ad hoc Committee members who are not on the Council (as well as Rick Wise, Chair of the MU Staff Council) to attend the June 26th meeting.

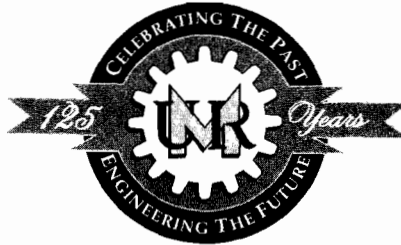
Subsequently, I foresee gaining endorsement for the plan by the IFC and the faculty and staff councils on all UM campuses.

For the record, I am listing the members of the ad hoc Committee, who are unanimously endorsing this plan. As you know, they were selected / volunteered because of their knowledge of and interest in the UM Retirement Plan.

John B. Miles, MU Faculty Council
Bob Breitenbach, MU Retired Faculty
Robert Almony, MU Faculty Council
Al Hahn, MU Faculty Council
Larry Morehouse, MU Retired Faculty
Mary Ellen Sievert, MU Faculty Council
Dennis Sentilles, MU Faculty Council
Mike Paden, Director, MU Staff and Faculty Benefits
Keith Schrader, UM Faculty and Staff Benefits Committee

Attachments
cc: ad hoc Committee

an equal opportunity and ADA institution



University of Missouri-Rolla
Academic Council

To: UMR FACULTY

Academic Council Meeting
Thursday, June 19, 1997; 1:30 P.M.; 204 McNutt

- I. Approval of minutes of the April 24, 1997 meeting
- II. Reports and Responses
 - A. President's Report (To include IFC) (5 min.) Jeff Cawlfeld
 - B. Chancellor's Report (10 min.) John Park
(10 minutes for Questions and Answers)
- III. Reports of Standing and Special Committees
 - A. Admissions and Academic Standards (10 min.) Kurt Kosbar
 - 1. Dropping and Adding Courses (1-97)
 - 2. 7:30 A.M. Finals (4-97)
 - 3. "Dead Week" or "Dead Days" (4-97)
 - B. Curricula (5 min.) Howard Pyron
 - 1. *Report No. 8
 - C. Personnel (10 min.) Bruce Selberg
 - 1. Faculty Awards (11-30-95)
 - 2. Faculty Compensations for Video Instruction (12-18-95)
 - 3. Tenure and Promotion Procedures
 - 4. Administrative Review Procedures
 - D. Student Affairs (5 min.) Bill Wilson
 - 1. Constitution-Libertarians
- IV. Old Business
- V. New Business and Announcements
 - A. Staff Council
 - B. Student Council
 - C. Referrals

*Information distributed with agenda to Academic Council members and department chairs.

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Minutes of the Academic Council Meeting
June 19, 1997

XXVI,7. The meeting was called to order at 1:35 P.M. by President Jeff Cawlfeld. One substitution was noted-Stanek for Van Doren.

.1 It was moved and seconded to approve the minutes of the April 24, 1997 meeting as distributed. Motion carried.

.2 REPORTS AND RESPONSES

A. PRESIDENT'S REPORT-President Cawlfeld made a brief report on IFC.

1. He announced that Greg Gelles, Bruce Selberg, and Dennis Perry, along with himself, will be attending an IFC Retreat on July 7 and 8, where they will address upcoming issues for next year's IFC meetings.

2. Professor Cawlfeld also announced that UMR will be chairing the IFC meetings for the coming year.

B. CHANCELLOR'S REPORT

1. Dr. Park referred to a copy of President George's proposed resolution on non-discrimination. The Chancellor said he strongly supports the President's approach-a more general non-discrimination statement.

2. Dr. Park said the Chancellor's group went over suggestions for goals and measurements, and now is creating an action plan for each unit. This will be discussed further at the Chancellors' retreat in July.

3. Dr. Park then listed the top ten priorities: recruiting, retention, teaching quality, assessment methods, research (revitalize), intellectual property values, service, administration, kick-off of fund-raising campaign, and marketing.

.3 REPORTS OF STANDING AND SPECIAL COMMITTEES

A. ADMISSIONS AND ACADEMIC STANDARDS-This report was presented by Professor Kurt Kosbar.

1. He explained the handout and recommendations on Dropping and Adding. He then read referrals from the students on 7:30 finals and "Dead Days".
2. There was a very lengthy, and somewhat heated, discussion by students and faculty present about the report and the committee's recommendations.
3. Professor Greg Gelles moved that Academic Council adopt Resolution 9697R7 (See attached). There was a second by Professor Les Koval. The Motion carried with 12 for and 4 against.
4. Professor Bruce Selberg moved to approve the recommendation from the committee on Adding and Dropping. Professor Koval seconded. Motion carried, with one opposed.
5. Professor Gelles moved to adopt the resolution put forth from Student Council on dropping 7:30 finals, with a compromise of starting time being 8:00 A.M. There was a second, and motion carried.

B. CURRICULA-Professor Howard Pyron presented this report.

1. The ECl's were presented for information only, followed by Professor Pyron's motion to approve the CCl's as distributed. There was a second by Professor Lokesh Dhrani. Motion carried.

C. PERSONNEL-This report was presented by Professor Bruce Selberg.

1. A handout was distributed on Compensation for Video Instruction. Professor Selberg made a brief presentation, and then referred to a Draft Memo to Dr. Gajda.
2. Professor Gelles moved to approve the Draft. There was a second from Professor Koval. After some questions, and a lengthy discussion, there were some wording changes. Vote was then taken, and motion carried.
3. Professor Selberg then distributed a handout on the Administrative Review Process. He stated that the Personnel Committee is asking Academic Council to endorse the recommendations of the Committee to Evaluate the Administrative Review Process, which will be sent to Dr. Gajda, hopefully for implementation.
4. Professor Gelles moved that Academic Council endorse this recommendation. Professor Stanek seconded, and motion carried.

- D. STUDENT AFFAIRS-Bill Wilson presented this report.
1. The Constitution for the Libertarians at UMR was presented for approval. Professor Dan White moved to approve. Professor Gelles seconded. Motion carried.
 2. Mr. Wilson also referred to a statement distributed with the agenda, concerning Student Publications and the Media Board. The Student Affairs Committee only asked that Academic Council reaffirm the policy.
 3. Professor Bruce Selberg moved that Academic Council reaffirm current policy as follows: "The University Board of Curators' Policy clearly establishes the recognition process for all student organizations, and it places responsibility with the Student Affairs Committee and Academic Council.

.5 No old business was presented.

.6 NEW BUSINESS

- A. STUDENT COUNCIL-Rich Lee stated a hope that the Academic Council would let people know about the changes in policy.

The meeting was then adjourned at 3:15 P.M.

Respectfully submitted,

Dennis Perry
Secretary

*Minutes of the Academic Council are considered official notification and documentation of actions approved.



School of Engineering

**Department of Mechanical and Aerospace
Engineering and Engineering Mechanics**

Bruce P. Selberg
Professor & Associate Chairman
For Aerospace Engineering
101 Mechanical Engineering Building
1870 Miner Circle
Rolla, MO 65409-0050
Telephone: (573)341-4671
FAX: (573)341-6899
E-mail: bpaul@umr.edu

MEMORANDUM TO: Dr. Walter Gajda
Vice Chancellor for Academic Affairs

FROM: B. P. Selberg *B. P. Selberg*
Chair of Personnel Committee

SUBJECT: Administrator Review

DATE: June 23, 1997

The Academic Council approved the Final Report from the Committee to Evaluate Administrative Review Process dated May 23, 1996 at the June 19, 1997 Academic Council Meeting.